

Gene Screen

The invention relates to a screen for the identification of genes which show regulated expression in response to carbon source utilisation.

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Colorectal cancer is a cancer which occurs in the large intestine and rectum. The colon can be divided into effectively four sections; the ascending colon; the transverse colon; the descending colon; and the sigmoid colon. Most colorectal cancers arise in the sigmoid colon and develop from "polyps" which can grow for 10 several years before becoming cancerous. The early detection of these pre-cancerous growths is obviously desirable since removal of the polyps is a very effective means to stem the progress of disease.

There are various types of colorectal cancer. Most cancers of this type are 15 adenocarcinomas which are malignant growths which begin in the epithelial cells which line the colon and rectum. Other cancers of the colon and rectum include gastrointestinal stromal tumours and lymphomas. In some examples the patient can be asymptomatic and for this reason it is important that screening is undertaken to identify those patients in which pre-cancerous polyps are forming. However, some 20 patients do present with symptoms and these include rectal bleeding, diarrhoea, constipation, abdominal pain, and general weakness.

As mentioned above, regular screening is by far the most effective way of controlling this disease since removal of pre-cancerous polyps by surgery can effectively cure 25 any disease before it is initiated. Currently, diagnostic tests include the use of colonoscopy, which allows a doctor to examine the rectum and colon; faecal blood analysis to check for any bleeding from the bowel and rectal area although this test is not directly diagnostic for cancerous lesion in its own right; and sigmoidoscopy which is similar to colonoscopy but only investigates the lower bowel area. 30 Typically, patients with a family history of colorectal cancer can be expected to have

a colonoscopy every 5 years or so and a blood stool check on a yearly basis from about the age of 40.

The treatment of colorectal cancer usually involves invasive surgery to remove 5 polyps and/or malignant growths. If the cancer has developed beyond the polyp stage then more extensive surgery is required which can result in removal of part of the bowel and surrounding lymph nodes. In the situation where a cancer necessitates extensive surgery a colostomy stoma may be required, at least for a period, to allow the bowel to recover from surgery. Surgery in the rectal region is more complicated 10 and is largely dependent on how far the disease has progressed. In some cases the surgery can damage nerves which control sexual and urinary functions. In advanced stage colorectal cancers metastatic lesions may require removal and in about 15% of cases the lesions are in the liver which requires removal of large parts of the liver. The surgical removal of polyps and/or cancerous growths leads to a good prognosis 15 for patients. In some cases surgery is followed by a course of chemotherapy (for colon cancer) and chemotherapy and radiation therapy (rectal cancer) to remove any cancer cells not detected during surgery. The chemotherapeutic agents typically used to treat colorectal cancer include 5-fluorouracil, leucovorin, irinotecan and capecitabine.

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It is apparent that the early detection of cells which are pre-cancerous is highly desirable since in most cases surgery to remove these cells results in a very good prognosis for patients. Diagnostic tests which use the detection of cancer markers as an early indicator of cancer are known in the art.

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For example, EP1355149 describes gene expression profiles from colorectal samples to provide a "finger print" expression profile as an indication of whether a patient is susceptible to the development of colorectal cancer or indeed if malignant growth has already been initiated. The disclosure in EP1355149 is directed to the use of 30 microarrays to compare transformed and non-transformed tissue gene expression in a global sense.

- WO02/059609 also describes a gene screen which utilises expression profiles in breast and colorectal cancer. A comparison is made between "normal" and "abnormal" samples in patients to provide a global picture of gene expression in 5 these samples as an indicator of particular genes which are either over-expressed or abrogated between samples. Both EP1355149 and WO02/059609 take a shot gun approach to screening for target genes which can be used either as a diagnostic tool or as a target for the development of new chemotherapeutic agents.
- 10 The present invention provides a targeted screen for genes the expression of which may be altered in a response to carbon source. The invention makes use of the differences in expression profiles between normal and diseased tissue as a consequence of differences in metabolic state between cancer cells and normal cells due in part to carbon source utilisation by these respective cell types. The epithelial 15 cells which line the colon and rectum metabolise butyrate as a carbon source for energy transduction via glycolysis. The main carbon source utilised by tumour cells is glucose. Consequently, expression profiles between these cell types are different due to the differences in carbon source metabolism.
- 20 We have identified a large number of potential markers of colorectal cancer which have utility with respect to the early diagnosis of disease and as targets for the development of novel chemotherapeutic agents. Moreover, this assay has broader applicability to conditions resulting from dysfunction of the bowel (e.g colitis, ulcerative colitis, diversion colitis. Crohn's disease and irritable bowel syndrome. In 25 addition the assay provides a screening tool for fibre consumption and as an assay for colon microflora functionality (the effectiveness of fermentation of specific fibres) .

According to an aspect of the invention there is provided a method to screen for nucleic acid molecules which show altered expression in an isolated first cell sample 30 comprising comparing the gene expression profiles between said first cell sample with a second reference cell sample wherein said first cell sample has been grown in

the presence of the carbon source butyrate, or a related carbon source from which butyrate is derived, either directly or indirectly, and comparing said expression profile with the expression profile in said second reference cell sample which has not been grown in the presence of butyrate, or said related carbon source.

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According to a further aspect of the invention there is provided a method to screen for nucleic acid molecules which show altered expression in an isolated biological sample comprising the steps of:

i) providing

- 10 a) a cell growth preparation comprising a first cell sample derived from at least one region of the colon; cell growth media; and a carbon source wherein said carbon source is butyrate; and
b) a cell growth preparation comprising a second cell sample derived from an equivalent region of the colon; cell growth media; and a carbon source which is not butyrate;
- 15 ii) extracting nucleic acid from said first and second cell samples; and
iii) comparing the gene expression profile in said first cell sample with the gene expression profile in said second cell sample.

20 In a preferred method of the invention said first and second cell samples are derived from the ascending colon.

In an alternative preferred method of the invention said first and second cell samples are derived from the transverse colon.

25 In a further preferred method of the invention said first and second samples are derived from the descending colon.

30 In a still further preferred method of the invention said first and second samples are derived from the sigmoid region of the colon. Preferably said cell samples are derived from the rectal region of the colon.

In a further preferred method of the invention said first and second cell samples comprise epithelial cells.

5 In a preferred method of the invention said carbon source which is not butyrate is glucose.

10 In a still further preferred method of the invention said nucleic acid molecule which shows altered expression is selected from the group as represented by the nucleic acid sequences shown in Table 1, or nucleic acid molecules which hybridise to the sequences presented Table 1. Preferably said nucleic acid molecules hybridise under stringent hybridisation conditions.

15 According to a further aspect of the invention there is provided a method for the detection of at least one nucleic acid molecule associated with the initiation and/or progression of colorectal cancer, in an animal, comprising the steps of:

- 20 i) providing a biological sample comprising at least one cell to be tested;
- ii) contacting said sample with a ligand which binds at least one nucleic acid molecule as represented by the nucleic acid sequence selected from the group consisting of:
 - a) a nucleic acid molecule as represented by the nucleic acid sequence as shown in Table 1;
 - b) a nucleic acid molecule which hybridises to nucleic acid molecules as defined in (a);
 - c) a nucleic acid molecule that is degenerate as a consequence of the genetic code to the nucleic acid molecule represented in (a) and (b);
- 30 iii) detecting the presence of at least one nucleic acid molecule in said sample.

In a preferred method of the invention said animal is human.

In a further preferred method of the invention said colorectal cancer is

5 adenocarcinoma.

In a preferred method of the invention said ligand is a nucleic acid molecule adapted to anneal to said nucleic acid molecule which is indicative of colorectal cancer.

10 It will be apparent to the skilled person that a number of nucleic acid based assay systems are available which can be adapted to detect nucleic acid molecules as hereindisclosed. For example quantitative polymerase chain reaction assays, *in situ* hybridisation, northern blots.

15 According to a further aspect of the invention there is provided a method for the detection of at least one polypeptide associated with the initiation and/or progression of colorectal cancer, in an animal, comprising the steps of:

- i) providing a biological sample comprising at least one cell to be tested;
- ii) contacting said sample with at least one ligand which ligand specifically binds at least one polypeptide encoded by a nucleic acid molecule as represented by the nucleic acid sequence shown in Table 1, or a variant polypeptide comprising an amino acid sequence which varies by the addition, deletion or substitution of at least one amino acid residue; and
- 20 iii) detecting the presence of at least one polypeptide in said sample.

In a preferred method of the invention said animal is human.

In a further preferred embodiment of the invention said ligand is an antibody,

30 preferably a monoclonal antibody, or at least the effective binding part thereof.

Methods which utilise antibodies to detect the presence of a polypeptide in a biological sample are well known in the art and include ELISA's, western blot and immunofluorescence.

- 5 According to a further aspect of the invention there is provided the use of at least one polypeptide, or variant sequence thereof, encoded by a nucleic acid molecule(s) as represented by the nucleic acid sequences as shown in Table 1, as a target for the screening of agents which modulate the activity of said polypeptide.
- 10 According to a yet further aspect of the invention there is provided a method to screen for agents which modulate the activity of at least one gene associated with the initiation and/or progression of colorectal cancer comprising the steps of:
 - i) forming a preparation comprising at least one polypeptide wherein said polypeptide is encoded by a nucleic acid molecule as represented by the nucleic acid sequence as shown in Table 1, or a variant polypeptide comprising an amino acid sequence which varies by the addition, deletion or substitution of at least one amino acid residue as represented by the amino acid sequences shown in Table 1, and at least one agent to be tested; and
 - 15 ii) determining the activity of said agent with respect to activity of said polypeptide.
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In a preferred method of the invention said polypeptide is expressed by a cell wherein said cell is transformed or transfected with said nucleic acid molecule. Preferably said nucleic acid molecule is part of a vector adapted for recombinant expression of said nucleic acid molecule. Preferably said vector is provided with a promoter which enables the expression of said nucleic acid molecule to be regulated.

In a preferred method of the invention said cell is derived from the colon, preferably said cell is an epithelial cell which lines said colon.

In a further preferred method of the invention said agent is an antibody, preferably a monoclonal antibody or modified antibody, or at least the effective binding part thereof.

- 5 Antibodies, also known as immunoglobulins, are protein molecules which usually have specificity for foreign molecules (antigens). Immunoglobulins (Ig) are a class of structurally related proteins consisting of two pairs of polypeptide chains, one pair of light (L) (low molecular weight) chain (κ or λ), and one pair of heavy (H) chains (γ , α , μ , δ and ϵ), all four linked together by disulphide bonds. Both H and L chains
10 have regions that contribute to the binding of antigen and that are highly variable from one Ig molecule to another. In addition, H and L chains contain regions that are non-variable or constant.

The L chains consist of two domains. The carboxy-terminal domain is essentially
15 identical among L chains of a given type and is referred to as the "constant" (C) region. The amino terminal domain varies from L chain to L chain and contributes to the binding site of the antibody. Because of its variability, it is referred to as the "variable" (V) region.

- 20 The H chains of Ig molecules are of several classes, α , μ , σ , α , and γ (of which there are several sub-classes). An assembled Ig molecule consisting of one or more units of two identical H and L chains, derives its name from the H chain that it possesses. Thus, there are five Ig isotypes: IgA, IgM, IgD, IgE and IgG (with four sub-classes based on the differences in the 'constant' regions of the H chains, i.e., IgG1, IgG2,
25 IgG3 and IgG4). Further detail regarding antibody structure and their various functions can be found in, Using Antibodies: A laboratory manual, Cold Spring Harbour Laboratory Press.

In a preferred method of the invention said fragment is a Fab fragment.

In a further preferred method of the invention said antibody is selected from the group consisting of: F(ab')₂, Fab, Fv and Fd fragments; and antibodies comprising CDR3 regions.

- 5 Preferably said fragments are single chain antibody variable regions (scFV's) or domain antibodies. If a hybridoma exists for a specific monoclonal antibody it is well within the knowledge of the skilled person to isolate scFv's from mRNA extracted from said hybridoma via RT PCR. Alternatively, phage display screening can be undertaken to identify clones expressing scFv's. Domain antibodies are the smallest
10 binding part of an antibody (approximately 13kDa). Examples of this technology is disclosed in US6, 248, 516, US6, 291, 158, US6,127, 197 and EP0368684 which are all incorporated by reference in their entirety.

A modified antibody, or variant antibody and reference antibody, may differ in amino
15 acid sequence by one or more substitutions, additions, deletions, truncations which may be present in any combination. Among preferred variants are those that vary from a reference polypeptide by conservative amino acid substitutions. Such substitutions are those that substitute a given amino acid by another amino acid of like characteristics. The following non-limiting list of amino acids are considered
20 conservative replacements (similar): a) alanine, serine, and threonine; b) glutamic acid and aspartic acid; c) asparagine and glutamine d) arginine and lysine; e) isoleucine, leucine, methionine and valine and f) phenylalanine, tyrosine and tryptophan. Most highly preferred are variants which show enhanced biological activity.

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Preferably said antibody is a humanised or chimeric antibody.

A chimeric antibody is produced by recombinant methods to contain the variable region of an antibody with an invariant or constant region of a human antibody.

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A humanised antibody is produced by recombinant methods to combine the complementarity determining regions (CDRs) of an antibody with both the constant (C) regions and the framework regions from the variable (V) regions of a human antibody.

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Chimeric antibodies are recombinant antibodies in which all of the V-regions of a mouse or rat antibody are combined with human antibody C-regions. Humanised antibodies are recombinant hybrid antibodies which fuse the complementarity determining regions from a rodent antibody V-region with the framework regions from the human antibody V-regions. The C-regions from the human antibody are also used. The complementarity determining regions (CDRs) are the regions within the N-terminal domain of both the heavy and light chain of the antibody to where the majority of the variation of the V-region is restricted. These regions form loops at the surface of the antibody molecule. These loops provide the binding surface between the antibody and antigen.

Antibodies from non-human animals provoke an immune response to the foreign antibody and its removal from the circulation. Both chimeric and humanised antibodies have reduced antigenicity when injected to a human subject because there is a reduced amount of rodent (i.e. foreign) antibody within the recombinant hybrid antibody, while the human antibody regions do not elicit an immune response. This results in a weaker immune response and a decrease in the clearance of the antibody. This is clearly desirable when using therapeutic antibodies in the treatment of human diseases. Humanised antibodies are designed to have less "foreign" antibody regions and are therefore thought to be less immunogenic than chimeric antibodies.

In an alternative preferred method of the invention said agent is a polypeptide or a peptide. Preferably said polypeptide or peptide is modified.

30 In a preferred method of the invention said peptide is at least 6 amino acid residues in length. Preferably the length of said peptide/polypeptide is selected from the group

consisting of: at least 7 amino acid residues; 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, or 20 amino acid residues in length. Alternatively the length of said peptide/polypeptide is at least 20 amino acid residues; 30; 40; 50; 60; 70; 80; 90; or 100 amino acid residues in length.

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It will be apparent to one skilled in the art that modification to the amino acid sequence of peptide agents could enhance the binding and/or stability of the peptide with respect to its target sequence. In addition, modification of the peptide may also increase the *in vivo* stability of the peptide thereby reducing the effective amount of peptide necessary to inhibit the activity of a target polypeptide. This would advantageously reduce undesirable side effects which may result *in vivo*. Alternatively or preferably, said modification includes the use of modified amino acids in the production of recombinant or synthetic forms of peptides. It will be apparent to one skilled in the art that modified amino acids include, by way of example and not by way of limitation, 4-hydroxyproline, 5-hydroxylysine, N⁶-acetyllysine, N⁶-methyllysine, N⁶,N⁶-dimethyllysine, N⁶,N⁶,N⁶-trimethyllysine, cyclohexy alanine, D-amino acids, ornithine. Other modifications include amino acids with a C₂, C₃ or C₄ alkyl R group optionally substituted by 1, 2 or 3 substituents selected from halo (e.g. F, Br, I), hydroxy or C₁-C₄ alkoxy. Modifications also include, by example and not by way of limitation, acetylation and amidation.

In a preferred embodiment of the invention said peptide sequence is acetylated. Preferably said acetylation is to the amino terminus of said peptide.

25 In a further preferred embodiment of the invention said peptide sequence is amidated. Preferably said amidation is to the carboxyl-terminus of said peptide.

It will also be apparent to one skilled in the art that peptides could be modified by cyclisation. Cyclisation is known in the art, (see Scott *et al* Chem Biol (2001),

30 8:801-815; Gellerman *et al* J. Peptide Res (2001), 57: 277-291; Dutta *et al* J. Peptide

Res (2000), 8: 398-412; Ngoka and Gross J Amer Soc Mass Spec (1999), 10:360-363.

In a further preferred method of the invention said agent is nucleic acid molecule.

- 5 Preferably said nucleic acid molecule is an aptamer or a modified aptamer. In an alternative preferred method of the invention said nucleic acid is an inhibitory RNA (RNAi) molecule. Alternatively said nucleic acid molecule is an antisense nucleic acid molecule.
- 10 Nucleic acids have both linear sequence structure and a three dimensional structure which in part is determined by the linear sequence and also the environment in which these molecules are located. Conventional therapeutic molecules are small molecules, for example, peptides, polypeptides, or antibodies, which bind target molecules to produce an agonistic or antagonistic effect. It has become apparent that
- 15 nucleic acid molecules also have potential with respect to providing agents with the requisite binding properties which may have therapeutic utility. These nucleic acid molecules are typically referred to as aptamers. Aptamers are small, usually stabilised, nucleic acid molecules which comprise a binding domain for a target molecule. A screening method to identify aptamers is described in US 5,270,163,
- 20 which is incorporated by reference. Aptamers are typically oligonucleotides which may be single stranded oligodeoxynucleotides, oligoribonucleotides, or modified oligodeoxynucleotide or oligoribonucleotides.

The term "modified" encompasses nucleotides with a covalently modified base

- 25 and/or sugar. For example, modified nucleotides include nucleotides having sugars which are covalently attached to low molecular weight organic groups other than a hydroxyl group at the 3' position and other than a phosphate group at the 5' position. Thus modified nucleotides may also include 2' substituted sugars such as 2'-O-methyl-; 2-O-alkyl; 2-O-allyl; 2'-S-alkyl; 2'-S-allyl; 2'-fluoro-; 2'-halo or 2-azido-
- 30 ribose, carbocyclic sugar analogues a-anomeric sugars; epimeric sugars such as arabinose, xyloses or lyxoses, pyranose sugars, furanose sugars, and sedoheptulose.

Modified nucleotides are known in the art and include by example and not by way of limitation; alkylated purines and/or pyrimidines; acylated purines and/or pyrimidines; or other heterocycles. These classes of pyrimidines and purines are

5 known in the art and include, pseudoisocytosine; N4, N4-ethanocytosine; 8-hydroxy-N6-methyladenine; 4-acetylcytosine, 5-(carboxyhydroxymethyl) uracil; 5-fluorouracil; 5-bromouracil; 5-carboxymethylaminomethyl-2-thiouracil; 5-carboxymethylaminomethyl uracil; dihydrouracil; inosine; N6-isopentyl-adenine; 1-methyladenine; 1-methylpseudouracil; 1-methylguanine; 2,2-dimethylguanine; 2-methyladenine; 2-methylguanine; 3-methylcytosine; 5-methylcytosine; N6-methyladenine; 7-methylguanine; 5-methylaminomethyl uracil; 5-methoxy amino methyl-2-thiouracil; β -D-mannosylqueosine; 5-methoxycarbonylmethyluracil; 5-methoxyuracil; 2 methylthio-N6-isopentenyladenine; uracil-5-oxyacetic acid methyl ester; psueouracil; 2-thiocytosine; 5-methyl-2 thiouracil, 2-thiouracil; 4-thiouracil; 5-methyluracil; N-uracil-5-oxyacetic acid methylester; uracil 5—oxyacetic acid; queosine; 2-thiocytosine; 5-propyluracil; 5-propylcytosine; 5-ethyluracil; 5-ethylcytosine; 5-butyluracil; 5-pentyluracil; 5-pentylcytosine; and 2,6-diaminopurine; methylpsuedouracil; 1-methylguanine; 1-methylcytosine.

20 The aptamers of the invention are synthesized using conventional phosphodiester linked nucleotides and synthesized using standard solid or solution phase synthesis techniques which are known in the art. Linkages between nucleotides may use alternative linking molecules. For example, linking groups of the formula P(O)S, (thioate); P(S)S, (dithioate); P(O)NR'2; P(O)R'; P(O)OR6; CO; or CONR'2 wherein
25 R is H (or a salt) or alkyl (1-12C) and R6 is alkyl (1-9C) is joined to adjacent nucleotides through —O- or —S-. The binding of aptamers to a target polypeptide is readily testable.

An alternative nucleic acid molecule is a so called RNAi molecule. A recent
30 technique to specifically ablate gene function is through the introduction of double stranded RNA, also referred to as inhibitory RNA (RNAi), into a cell which results

in the destruction of mRNA complementary to the sequence included in the RNAi molecule. The RNAi molecule comprises two complementary strands of RNA (a sense strand and an antisense strand) annealed to each other to form a double stranded RNA molecule. The RNAi molecule is typically derived from exonic or 5 coding sequence of the gene which is to be ablated. Recent studies suggest that RNAi molecules ranging from 100-1000bp derived from coding sequence are effective inhibitors of gene expression. Surprisingly, only a few molecules of RNAi are required to block gene expression which implies the mechanism is catalytic. The site of action appears to be nuclear as little if any RNAi is detectable in the cytoplasm 10 of cells indicating that RNAi exerts its effect during mRNA synthesis or processing.

In a preferred method of the invention there is provided a cassette comprising a nucleic acid molecule, or part thereof, wherein said molecule is selected from the group consisting of:

- 15 i) a nucleic acid molecule represented by the nucleic acid sequence
 shown in Table 1 ;
 ii) a nucleic acid molecule which hybridises to the sequence in (i) above
 and which encodes a polypeptide which initiates or promotes
 transformation of colon cells; or
20 iii) a nucleic acid molecule which is degenerate because of the genetic
 code to the sequences defined in (i) and (ii) above, wherein said
 cassette is adapted such that both sense and antisense nucleic acid
 molecules are transcribed from said cassette.

25 In a preferred method of the invention said cassette is provided with at least two
 promoters adapted to transcribe both sense and antisense strands of said nucleic acid
 molecule.

30 In a further preferred method of the invention said cassette comprises a nucleic acid
 molecule wherein said molecule comprises a first part linked to a second part
 wherein said first and second parts are complementary over at least part of their

sequence and further wherein transcription of said nucleic acid molecule produces an RNA molecule which forms a double stranded region by complementary base pairing of said first and second parts.

- 5 In a preferred embodiment of the invention said first and second parts are linked by at least one nucleotide base.

In a preferred embodiment of the invention said first and second parts are linked by 2, 3, 4, 5, 6, 7, 8, 9 or at least 10 nucleotide bases.

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In a further preferred embodiment of the invention the length of the RNAi molecule is between 100bp-1000bp. More preferably still the length of RNAi is selected from 100bp; 200bp; 300bp; 400bp; 500bp; 600bp; 700bp; 800bp; 900bp; or 1000bp. More preferably still said RNAi is at least 1000bp.

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In an alternative preferred method of the invention the RNAi molecule is between 15bp and 25bp, preferably said molecule is 21bp. Preferably said cassette is part of a vector.

- 20 According to a further aspect of the invention there is provided an antibody identified by the method according to the invention for use as a pharmaceutical.

According to a further aspect of the invention there is provided a polypeptide or peptide identified by the method according to the invention for use as a pharmaceutical.

25 According to a further aspect of the invention there is provided a nucleic acid molecule identified by the method according to the invention for use as a pharmaceutical.

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In a preferred embodiment of the invention said nucleic acid molecule is an aptamer.

In an alternative preferred embodiment of the invention said nucleic acid molecule is an inhibitory RNA.

- 5 In a further alternative preferred embodiment of the invention said nucleic acid molecule is an antisense nucleic acid molecule.

In a preferred embodiment of the invention said pharmaceutical further comprises a diluent, carrier or excipient.

- 10 When administered, the therapeutic compositions of the present invention are administered in pharmaceutically acceptable preparations. Such preparations may routinely contain pharmaceutically acceptable concentrations of salt, buffering agents, preservatives, compatible carriers, supplementary immune potentiating agents such as adjuvants and cytokines and optionally other therapeutic agents, such as
15 chemotherapeutic agents.

The therapeutics of the invention can be administered by any conventional route, including injection or by gradual infusion over time. The administration may, for example, be oral, intravenous, intraperitoneal, intramuscular, intracavity,
20 subcutaneous, or transdermal. When antibodies are used therapeutically, a preferred route of administration is by pulmonary aerosol. Techniques for preparing aerosol delivery systems containing antibodies are well known to those of skill in the art. Generally, such systems should utilize components which will not significantly impair the biological properties of the antibodies, such as the paratope binding
25 capacity (see, for example, Sciarra and Cutie, "Aerosols," in Remington's Pharmaceutical Sciences, 18th edition, 1990, pp 1694-1712; incorporated by reference). Those of skill in the art can readily determine the various parameters and conditions for producing antibody aerosols without resort to undue experimentation.
When using antisense preparations of the invention, slow intravenous administration
30 is preferred.

The compositions of the invention are administered in effective amounts. An "effective amount" is that amount of a composition that alone, or together with further doses, produces the desired response. In the case of treating a particular disease, such as cancer, the desired response is inhibiting the progression of the disease. This may involve only slowing the progression of the disease temporarily, although more preferably, it involves halting the progression of the disease permanently. This can be monitored by routine methods or can be monitored according to diagnostic methods of the invention discussed herein.

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Such amounts will depend, of course, on the particular condition being treated, the severity of the condition, the individual patient parameters including age, physical condition, size and weight, the duration of the treatment, the nature of concurrent therapy (if any), the specific route of administration and like factors within the knowledge and expertise of the health practitioner. These factors are well known to those of ordinary skill in the art and can be addressed with no more than routine experimentation. It is generally preferred that a maximum dose of the individual components or combinations thereof be used, that is, the highest safe dose according to sound medical judgment. It will be understood by those of ordinary skill in the art, however, that a patient may insist upon a lower dose or tolerable dose for medical reasons, psychological reasons or for virtually any other reasons.

The pharmaceutical compositions used in the foregoing methods preferably are sterile and contain an effective amount for producing the desired response in a unit of weight or volume suitable for administration to a patient. The response can, for example, be determined by measuring the physiological effects of the composition,

25 such as regression of a tumour, decrease of disease symptoms, modulation of apoptosis, etc.

30 The doses of pharmaceutical agent administered to a subject can be chosen in accordance with different parameters, in particular in accordance with the mode of

administration used and the state of the subject. Other factors include the desired period of treatment. In the event that a response in a subject is insufficient at the initial doses applied, higher doses (or effectively higher doses by a different, more localized delivery route) may be employed to the extent that patient tolerance
5 permits.

In general, doses of pharmaceutical are formulated and administered in doses between 1 ng and about 500mg, and between 10 ng and 100mg, according to any standard procedure in the art. Where nucleic acids are employed, doses of between
10 1 ng and 0.1mg generally will be formulated and administered according to standard procedures. Other protocols for the administration of compositions will be known to one of ordinary skill in the art, in which the dose amount, schedule of injections, sites
15 of injections, mode of administration (e.g., intra-tumoral) and the like vary from the foregoing. Administration of pharmaceutical compositions to mammals other than humans, e.g. for testing purposes or veterinary therapeutic purposes, is carried out under substantially the same conditions as described above. A subject, as used herein, is a mammal, preferably a human, and including a non-human primate, cow, horse, pig, sheep, goat, dog, cat or rodent.

20 When administered, the pharmaceutical preparations of the invention are applied in pharmaceutically-acceptable amounts and in pharmaceutically-acceptable compositions. The term "pharmaceutically acceptable" means a non-toxic material that does not interfere with the effectiveness of the biological activity of the active ingredients. Such preparations may routinely contain salts, buffering agents,
25 preservatives, compatible carriers, and optionally other therapeutic agents. When used in medicine, the salts should be pharmaceutically acceptable, but non-pharmaceutically acceptable salts may conveniently be used to prepare pharmaceutically-acceptable salts thereof and are not excluded from the scope of the invention. Such pharmacologically and pharmaceutically-acceptable salts include,
30 but are not limited to, those prepared from the following acids: hydrochloric, hydrobromic, sulfuric, nitric, phosphoric, maleic, acetic, salicylic, citric, formic,

malonic, succinic, and the like. Also, pharmaceutically-acceptable salts can be prepared as alkaline metal or alkaline earth salts, such as sodium, potassium or calcium salts.

- 5 Pharmaceutical compositions may be combined, if desired, with a pharmaceutically-acceptable carrier. The term "pharmaceutically-acceptable carrier" as used herein means one or more compatible solid or liquid fillers, diluents or encapsulating substances which are suitable for administration into a human. The term "carrier" denotes an organic or inorganic ingredient, natural or synthetic, with which the active
10 ingredient is combined to facilitate the application. The components of the pharmaceutical compositions also are capable of being co-mingled with the molecules of the present invention, and with each other, in a manner such that there is no interaction which would substantially impair the desired pharmaceutical efficacy.

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The pharmaceutical compositions may contain suitable buffering agents, including: acetic acid in a salt; citric acid in a salt; boric acid in a salt; and phosphoric acid in a salt.

- 20 The pharmaceutical compositions also may contain, optionally, suitable preservatives, such as: benzalkonium chloride; chlorobutanol; parabens and thimerosal.

- 25 The pharmaceutical compositions may conveniently be presented in unit dosage form and may be prepared by any of the methods well-known in the art of pharmacy. All methods include the step of bringing the active agent into association with a carrier which constitutes one or more accessory ingredients. In general, the compositions are prepared by uniformly and intimately bringing the active compound into association with a liquid carrier, a finely divided solid carrier, or both, and then, if
30 necessary, shaping the product.

Compositions suitable for oral administration may be presented as discrete units, such as capsules, tablets, lozenges, each containing a predetermined amount of the active compound. Other compositions include suspensions in aqueous liquids or non-aqueous liquids such as a syrup, elixir or an emulsion.

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Compositions suitable for parenteral administration conveniently comprise a sterile aqueous or non-aqueous preparation of pharmaceutical agents, which is preferably isotonic with the blood of the recipient. This preparation may be formulated according to known methods using suitable dispersing or wetting agents and 10 suspending agents. The sterile injectable preparation also may be a sterile injectable solution or suspension in a non-toxic parenterally-acceptable diluent or solvent, for example, as a solution in 1,3-butane diol. Among the acceptable vehicles and solvents that may be employed are water, Ringer's solution, and isotonic sodium chloride solution. In addition, sterile, fixed oils are conventionally employed as a 15 solvent or suspending medium. For this purpose any bland fixed oil may be employed including synthetic mono- or di-glycerides. In addition, fatty acids such as oleic acid may be used in the preparation of injectables. Carrier formulation suitable for oral, subcutaneous, intravenous, intramuscular, etc. administrations can be found in Remington's Pharmaceutical Sciences, Mack Publishing Co., Easton, PA.

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An embodiment of the invention will now be described by example only and with reference to the following Figures and Tables;

Figure 1 illustrates a concentration-response of cells growing in butyrate as sole 25 carbon source. This is the summary of four independent repeat experiments. Legend shows butyrate concentrations in mM;

Figure 2 illustrates the purity and quality of RNA preparation. The 28S and 18S sample bands are tight and clearly resolved for RNA prepared from butyrate- and 30 glucose-grown cells. Little or no DNA or salt contamination appears in the samples;

Table 1 illustrates nucleic acid sequences identified by the screening method according to the invention; and

- 5 Table 2 illustrates a summary of expression data of nucleic acid sequences identified in Table 1.

Materials and Methods

- 10 We have compared the expression profiles of colon cells growing in either glucose or butyrate as a carbon source. HT 29 colon carcinoma cells were cultured in DMEM medium (Gibco) in the presence of 10% foetal calf serum, penicillin and streptomycin. Cells were either cultured in glucose alone as the sole carbon source, or in butyrate as the sole extraneous provided carbon source. Empirical analysis of
 15 HT29 cells grown in multiple butyrate concentrations revealed that 2mM butyrate was optimal for cell culture in the absence of glucose. Cells were cultured in either medium for multiple passages (typically 4). RNA was extracted from cells grown in each condition and used to probe an Affymetrix human 12k array. The expression profile of cells cultured in each condition was compared and genes altered in
 20 expression by more than 2 fold are listed in Table 2.

Materials used during this study

<u>ITEM</u>	<u>ITEM - SPECIFICS</u>	<u>SUPPLIER</u>
Glucose medium (1)	Dulbecco's Modified Eagle Medium 25 mM HEPES 1 x 0.1 micron filtered with sodium pyruvate, with 1000	GIBCO

	mg/l glucose with pyridoxine + FCS + p/s (500 ml)	
Butyrate medium (2) 0.2 mM NaB medium	Dulbecco's Modified Eagle Medium 1 x 0.1 micron filtered with L-glutamine without glucose, without sodium pyruvate + NaB (1M) 110 µl + FCS + p/s (555.1 ml)	GIBCO
Butyrate medium (3) 2 mM NaB medium	Dulbecco's Modified Eagle Medium 1 x 0.1 micron filtered with L-glutamine without glucose, without sodium pyruvate + NaB (1M) 1100 µl + FCS + p/s (556.1 ml)	GIBCO
Medium without glucose and without butyrate (4)	Dulbecco's Modified Eagle Medium 1 x 0.1 micron filtered with L-glutamine without glucose, without sodium pyruvate + FCS + p/s (550 ml)	GIBCO
NaB stock	Sodium Butyrate powder dissolved in sterile water 250 mg in 2.27 ml water	Sigma

	(1M) 0.2 µm filter sterilised	
Sterile syringes	5 ml	Becton Dickinson UK, Ltd
Sterilising filters	0.2 µm Acrodisc	Gelman Sciences, Ltd
<u>Item</u>	<u>Item specifics</u>	<u>Supplier</u>
FCS	Foetal Calf Serum 50 ml per 500 ml DMEM	Harlan Sera Lab
P/S	Penicillin – Streptomycin solution 100ml bottle (100 X) – 5 ml per 500 ml DMEM	Sigma
TE for splitting cells	Trypsin Enzyme – 100 ml bottle - 3 ml per T75 and 1 ml per 6 well plate well	Sigma
FCS tubes	50 ml Centrifuge tubes	Corning Inc
P/S + TE tubes	30 ml Universal containers	Bibby Sterilin Ltd
Tissue Culture Plates	6 well sterile with lid single packed	Greiner bio-one
Tissue Culture Flasks	T 75	Nunclon
Stripette ® 5ml, 10ml,	Serological Pipette,	Corning Inc / Costar

25 ml	individually wrapped	
Pipette	Powerpette plus	Jencons
Cell Counting Slide	Haemocytometer, improved Neubauer	Neubauer
Ethanol for tissue culture	70 % EtOH	Sigma
Virkon for cell culture	1 % Virkon	Day Impex, Ltd
Microscope for cell work	Light 6 – 10X	CK Olympus, Tokyo
Paper towels	Blue	Jamont (UK), Ltd
Latex-free examination gloves	Large	Shermond Surgical Supply, Ltd
<u>Item</u>	<u>Item specifics</u>	<u>Supplier</u>
RNA extraction reagent	TRIzol ® Reagent	Invitrogen – Life technologies
RNA extraction reagent	Chloroform	Sigma
RNA extraction reagent	Isopropyl alcohol	Sigma

RNA extraction reagent	75% EtOH in DEPC-treated water	Sigma
RNA extraction reagent	Rnase-free water	Sigma
RNA clean up kit	Rneasy Midi Kit (10 RNeasy midi spin columns)	Qiagen
β - Mercaptoethanol	14.3 M stock solution	Sigma
Ethanol for Qiagen	96-100% EtOH	Sigma
Agarose	1g in 100 ml TB-EDTA- Buffer	Helena Biosciences, UK
TB-EDTA- Buffer	Tris-Borate-EDTA buffer 100ml	Sigma
Eppendorf tubes	1.5 ml	Sarstedt Laboratory supplies, Ltd
Loading buffer	6 X	Promega

The Human Colon Carcinoma Cell Line - HT29

The HT29 cell line is established from a colon adenocarcinoma which was removed
5 from a 44 year old Caucasian woman. The cell line is epithelial in origin and hypertriploid. It has been shown to be tumourigenic in nude mice and synthesizes Carcino embryonic antigen - CEA (Egan & Todd, 1972) and the Transforming

growth factors - TGF- α and TGF- β (Anzano *et al.* 1989) when maintained *in vitro*. The HT29 cell line constitutively over-produces mutant p53 protein as a consequence of a point mutation at codon 273, resulting in an Arginine to Histidine amino acid substitution (Hsu *et al.* 1994).

5

The Culture of HT29 Colorectal adenocarcinoma cells

Cells were cultured in T75 tissue culture flasks (Nunclon) in 5% CO₂ at 37°C. Cells were passaged when confluent by washing twice in PBS and incubating in pre-warmed trypsin : EDTA (1:1) at 37°C until cells detached. The cells were then re-suspended in the appropriate growth medium, either glucose DMEM or butyrate DMEM before being seeded into new T75 tissue culture flasks or 6-well plates.

10

Optimisation of HT29 cell growth in butyrate as sole extraneous carbon source

15

HT29 cells were seeded out into 19 wells (in 6 well plates) at a cell density of 0.5 x 10⁶ cells per well (i.e. 500 000 cells per well) deduced with the aid of a Haemocytometer (Improved Neubauer). These cells were taken from T75 - 0.2 mM butyrate (NaB) DMEM flasks and allowed to adhere to the 6-well plates over 72 hrs also in 0.2 mM NaB DMEM with FCS and Penicillin / Streptomycin antibiotics. After the cells had adhered to the surface of the 6 well plates the 0.2 mM NaB DMEM was removed and each well was washed twice with PBS in order to remove all traces of the 0.2 mM DMEM, then different concentrations of NaB DMEM with FCS and with Penicillin / Streptomycin antibiotics were added to the appropriate wells in triplicate. Cell counts were taken at various time points. Specific media was changed daily in order to maintain the appropriate / desired NaB concentrations per well. All solutions / reagents used were pre-warmed in a water bath prior to use so as to avoid any cold shock to the cells.

20

25

30

RNA extraction using TRIzol® Reagent

Total RNA was extracted from HT29 cells grown to confluence in T75 flasks using TRIzol Reagent as per manufacturer's recommendations. Cells were grown for
5 several passages either in butyrate-containing medium, or in glucose-containing medium prior to extraction of RNA

Cells were homogenised using 1 ml TRIzol Reagent per 10 cm² area of culture surface. The homogenised samples were incubated for 5 minutes at ambient temperature to permit the complete dissociation of nucleoprotein complexes. 10 200µl of chloroform was added to each sample. Tubes were shaken vigorously by hand for 15 seconds and incubated at ambient temperature for 3 minutes. Samples were centrifuged at 12000g for 15 minutes at 4°C. RNA in the aqueous phase was separated and precipitated using isopropyl alcohol. RNA was rinsed, air dried and 15 redissolved in RNase-free water.

RNA was further purified using Qiagen RNeasy columns. The columns were used exactly as per manufacturer's recommendations. RNA was eluted into RNase-free water.

20 RNA purified in this way was analysed by agarose gel to establish purity and quality. The gel is shown in figure 2.

Microarray analysis

25 Microarray analysis was undertaken as a commercial service by the University of Newcastle-upon-Tyne. In this study, the 2 RNA samples (1x butyrate + 1x glucose) from the 2 experimental conditions (butyrate + glucose) were sent to the Institute for Human Genetics at the University of Newcastle-upon-Tyne for microarray analysis.
30 This was performed on a 12 k Affymetrix *Homo sapiens* gene chip. Genes altered in expression by more than 2 fold on the microarray are listed in table 1.

Table 1

Human mitochondrial ADP/ADT translocator mRNA, complete cds.

ccccctagcg tcgcgcaggg tcggggactg cgccgcgtgc caggccgggc gtgggcgaga	60
gcacgaacgg gctgctgcgg gctgagagcg tcgagctgtc accatgggtg atcacgcttg	120
gagcttcca aaggacttcc tggccggggc ggtcgcgcgt gccgtctcca agaccgcgg	180
cgccccatc gagagggtca aactgctgtc gcaggtccag catgccagca aacagatcag	240
tgctgagaag cagtacaaag ggatcattga ttgtgtgggt agaatcccta aggagcaggg	300
tttccttcc ttctggaggg gtaacctggc caacgtgatc cgttacttcc ccacccaagc	360
tctcaacttc gccttcaagg acaagtacaa gcagctttc ttaggggggtg tggatcggca	420
taagcagttc tggcgctact ttgctgttaa cctggcggtc ggtggggccg ctggggccac	480
ctcccatttc tttgtctacc cgctgactt tgcttaggacc aggttggctg ctgatgtggg	540
caggcgcgc cagcgtgagt tccatggtct gggcgactgt atcatcaaga tcttcaagtc	600
tgatggcctg agggggctct accagggttt caacgtctct gtccaaaggca tcattatcta	660
tagagctgcc tacttcggag tctatgatac tgccaaagggg atgctgcctg accccaaagaa	720
cgtgcacatt tttgtgagct ggatgattgc ccagagtgtg acggcagtgc cagggctgt	780
gtccttacccc tttgacactg ttctgtcttag aatgatgatg cagtccggcc ggaaaggggc	840
cgatattatg tacacggggc cagttgactg ctggaggaag attgcaaaaag acgaaggagc	900
caaggccttc ttcaaagggtg cctggtccaa tgtgctgaga ggcatggcg gtgcctttgt	960
attgggtttg tatgtatgaga taaaaaaaata tgtctaattgt aattaaaaca caagttcaca	1020
gatttacatg aacttgcattc acaagttcac agatccattt tggttttaa tagactattc	1080
ctaggggaag taaaaagatc tgggataaaa ccagactgaa aggaataacct cagaagagat	1140
gcttcattga gtgttcatta aaccacacat gtatttgtt tttttttac atttaaatc	1200
ccacagcaaa tagaaataat ttatcatact tgtacaatta actgaagaat tgataataac	1260
tgaatgtgaa acatcaataa agaccactta atgcacaaaa aaaaaaaaaa aaaaaaaaaa	1320

Homo sapiens mRNA for VNN1 protein

cattggactt cagcatgact actcagtgc cagcttacgt ggcaattttg cttttctatg	60
tctcaagagc cagctgccag gacactttca ttgcagctgt ttatgagcat gcagcgat	120
tgcccaatgc caccctaaca ccagtgtctc gtgaggaggc tttggcatta atgaatcgga	180
atctggacat tttgaaagga gcgatcacat cagcagcaga tcagggtcg catattattg	240
tgacttcaga agatgttatt tatggcttga acttcaacag ggactcttc taccatatt	300
tggaggacat cccagaccct gaagtaaaact ggatcccctg taataatcgtaaacagatttg	360
gccagacccc agtacaagaa agactcagct gcctggccaa gaacaactct atctatgttg	420
tggcaaataat tggggacaag aagccatgcg ataccagtga tcctcagtgt cccctgtat	480
gccgttacca atacaacact gatgtggtat ttgattctca agaaaaactg gtggcacgct	540
accataagca aaacotttc atgggtgaaa atcaattcaa tgtaaccaag gagcctgaga	600
ttgtgacttt caataaccacc tttggaagtt ttggcatttt cacatgcattt gatatactct	660
tccatgatcc tgctgttacc ttggtaaaag atttccacgt ggacaccata gtattcccaa	720
cagcttggat gaatgttttgc acacatttgc cagctgtga attccactca gcttgggcta	780
tgggcatttagt ggtcaatttc cttgcattca acatacatta cccctcaaaag aaaaatgacag	840
gaagtggcat ctatgcaccc aattcttcaa gagoatttca ttatgatatg aagacagaag	900
agggaaaact cctccctctcg caactggatt cccacccatc ccattctgcgttggtaact	960
ggacttccta tgccagcagt atagaagcgc tctcatcagg aaacaaggaa tttaaaggca	1020
ctgtctttt cgatgaattc acttttgcg agctcacagg agttgcagga aattatcacag	1080
tttgcatttagt agatotctgc tgtaatattaa gctacaaaat gtctgagaac ataccaaatg	1140
aagtgtacgc tctagggca tttgacggac tgacactgt ggaaggcgc tattatctac	1200
agattttgtac cctgtgaaa tggaaaacga ctaattttaa cacttgcggt gactcagctg	1260
aaacagcttc taccaggttt gaaatgttct ccctcagtgg cactttcggg acccagtatg	1320
tcttccttgc ggtgttgcg agtggaaatc agcttgcacc tggagaattt caggtgtcaa	1380
ctgacggacg cttgtttagt ctgaagccaa catccggacc tgcatttaaca gtaactctgt	1440
ttgggaggtt gtatgagaag gactggcat caaatgttcc atcaggcctc acagcacaag	1500
caagaataat aatgctaata gttatagcac ctattgtatg ctcattaaatg tggtagaata	1560
ttgactttttt ctcttttttta tttggataa tttaaaaaat gatggatgaa aaaaagaaaga	1620
ttggccggg ttaatattat cctctagtat aagtgaatttta ctatgttcc tttatttttaga	1680
caaacacaca cacaccagat aatataaaact taataaaatta tctgttaatg tagattttat	1740
ttaaaaaact atatttgcac attggctttt cttggacgtg agctaattat atcaaataaag	1800
tatcacaaat ctttacgca gaagaaataa aaactacggg tagaaaacat aagaactatc	1860
ataaaaatttta cttacaagga ggctgctttt gttaccaatc ttattatatt acgtatcact	1920
tattcagctc tgctgaaaat ttccaatgac tttgtttgtt tgctctttta gtttttacc	1980
taaacaatac attttgattc tttgtgggt tgataatgtc tccccaaat ttacatgttg	2040
aagcacctca gaatgtgact gtatttggag acagggtctt taaagaggtt aaataaggc	2100
attaggatag accctaattc aatatgactg atgatcataa aagaagaggc gagtagggca	2160
caacaggcac aaaggagac cataaggaga cacagaggaa ggacaactct ttacaagcta	2220
agaagagagg gcctcagaag aaaccaaccc tgccacaccc ttgatcttg acttccagcc	2280
tccaaaacta tgagaaataa atttctattt ttaagtgc ccagtccatg gtactttgtt	2340
aggcagccct ggcaaatgaa tcaaagaccc attctgttc ctetccccac cactactgtt	2400
ttctactgtt atctgaagct tcaacaaaag gcttacctgg taagaatatt cagctggct	2460
gggtccctcaa gactccaata gacactctt aagaaggatt gctgtatggat tgatagtgaa	2520
accatttagat cattgaatttcc ctctggattt aaaaaaccag agagtccat ttaagaaat	2580
tagatatttttta atatgcattt gttgttttca ttttagtaac agcagaatct ttgacatta	2640
cacaactcag tggaaacaaca tcatattaac caaaaatattct cccaaactgac tgatagactc	2700
tgagcataactt tattcatatgtt ctgtgtatggat ggacaattac atagtacca taacagccat	2760
gcactgtgca aagcatgccc ttctgcacag gagagcaagg cacttgcagt agtgcattat	2820
ggcagcaaaa catcatttttgc agacaaaatc ttttgtggca gatgttttc ctaaaaagta	2880
ctatatacatc caagaaatatt ttgatggaaa tccctgttc ttttgtggta cattaactga	2940
catttgcattt ttttcaagac otaatagaaa ataagaaagc ccataatgtt ttttagaaaca	3000
ggaatcctca gagcaatttct otgtatttgc atataatttca aatgtaaaac agaaaacata	3060
ttgtatgtgtt ggtatggc ttgaattttt aaaaacttca aaaaacaaa	3109

Homo sapiens transmembrane protein 5, mRNA

ggctgggcct	gcctcggacg	ccgccggtgt	cgcggattct	cttccgccc	gctccatggc	60	
ggtggatgcc	tgactggaag	cccgagtggg	atgcggctga	cgcggaaacg	gctctgctcg	120	
tttcttatcg	ccctgtactg	cctattctcc	ctctacgctg	cctaccacgt	cttcttcggg	180	
cgccgcccggc	aggcgccggc	cgggtccccg	cggggcctca	ggaagggggc	ggcccccgcg	240	
cggggagagac	gcggccgaga	acagtccact	ttggaaaagt	aagaatggaa	tccttgggaa	300	
ggagatgaaa	aaaatgagca	acaacacaga	tttaaaacta	gccttcaa	at attagataaa	360	
tccacgaaag	gaaaaacaga	tctcagtgt	caaactctgg	gcaaagctgc	catggcttg	420	
tatctctggg	agcatat	ttt	tgaaggctt	cttgatccc	gcgatgtgac	tgctcaatgg	480
agagaaggaa	agtcaatcgt	aggaagaaca	cagtacagct	tcatcactgg	tccagctgt	540	
ataccagggt	acttctccgt	tgatgtgaat	aatgtggta	tcattttaaa	tggaagagaa	600	
aaagcaaaga	tctttatgc	caccagg	ttactttatg	cacaaaattt	agtgc	660	
caaaaactcc	agcatcttgc	tgttgggg	ctcggaaatg	aacattgtga	taatgagtgg	720	
ataaaacccat	tcctcaaaag	aaatggaggc	ttcgtggagc	tgctttcat	aatatatgac	780	
agcccctgga	ttaatgacgt	ggatgtttt	cagtggcctt	taggatgac	aacat	840	
aatttcctg	tggggaggc	aagttggtca	atgcgtcatg	atgagaggcc	atatttatgt	900	
aatttcttag	gaacgattt	tgaaaattca	tccagacagg	cactaatgaa	cattttgaaa	960	
aaagatggga	acgataagct	ttgttgggtt	tcagcaagag	aacactggca	gcctcaggaa	1020	
acaaatgaaa	gtcttaagaa	ttaccaagat	gcctgcttc	agagtgtatct	cacattgtgc	1080	
ccggtcggag	taaacacaga	atgcgtatcga	atctatgagg	cttgc	tggctccatt	1140	
cctgtggtgg	aagacgtgat	gacagctggc	aactgtggga	atacatctgt	gcaccacgg	1200	
gctcctctgc	agttactcaa	gtccatgggt	gctcccttta	tctttatcaa	gaactggaaag	1260	
gaactccctg	ctgttttaga	aaaagagaaa	actataattt	tacaagaaaa	aattgaaaga	1320	
agaaaaatgt	tacttcagt	gtatcagcac	ttcaagacag	agcttaaaat	gaaatttact	1380	
aatattttag	aaagctcatt	ttaatgaat	aataaaagtt	aattatctt	ttgagctaaa	1440	
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa					

Homo sapiens CD3e-associated protein (CAST) mRNA, complete cds.

cccaggatgg	aggagcccca	ggccggcggt	gaggatgctg	ctcggttctc	ttgtcccccc	60
aactttaccc	cgaagccccc	agcctcagag	tccctcggtt	tctccttgg	ggcgctgacg	120
ggtccagata	cgagactgtg	gcttattcag	gccctgcag	actttcccc	agaatgcttc	180
aatgggcggc	atgtgcctct	ctctggctcc	cagatgtca	agggcaaatt	ggcaggcaag	240
cggcaccgt	atcgagtct	cagcagctgt	ccccaagctg	gagaagcgac	cctgctggcc	300
ccctcaacgg	aggcaggagg	tggactcacc	tgtgccttag	ccccccaggg	caccctaagg	360
atccttgagg	gtcccccagca	atccctgtca	gggagccctc	tgcagccat	cccagcaagt	420
ccccccaccac	agatccctcc	tggcctgagg	cctcggttct	gtgccttgg	ggcaacccca	480
ccagtcacag	ggccttaggtc	agccttggcc	cccaacctgc	tcacctcagg	gaagaagaaa	540
aaggagatgc	aggtgacaga	ggccccagtc	actcaggagg	cagtgaatgg	gcacggggcc	600
ctggagggtgg	acatggcttt	ggggtcggca	gaaatggatg	tgccggaaagaa	gaagaagaaa	660
aaaaatcagc	agctgaaaaga	accagaggca	gcagggcctg	tggggacaga	gcccacagtg	720
gagacactgg	agccctctggg	agtgcgttcc	ccgtccacca	ccaagaagag	gaagaagccc	780
aaaggaaaag	aaaccttcga	gccagaagac	aagacagtga	agcaggaaca	gattaacact	840
gagcctctag	aagacacagt	cctgtcccc	acccaaaaga	gaaagaggca	aaaggggacg	900
gaaggatgg	agccagagga	gggggtgaca	gttgagtctc	agccacaggt	gaaggtggag	960
ccactggagg	aagccatccc	tctgccccct	acgaagaaga	ggaaaaaaaaga	aaagggacag	1020
atggcaatga	tggagccagg	gacggaggcg	atggagccag	tggagccga	gatgaagcct	1080
ctggagtccc	caggggggac	catggccct	caacagccag	aaggagcgaa	gcctcaggcc	1140
caggcagctc	tggcagctcc	caaaaaaaaga	acgaagaaaag	aaaaacagca	agatgccaca	1200
gtggagccag	agacagaggt	ggtggggcct	gagctgcccgg	atgaccttga	gcctcaggca	1260
gctcccacat	ccaccaagaa	gaagaagaag	aagaaagaga	gaggtcacac	atgtactgag	1320
ccaattcagc	cactagagcc	tgaactgcca	ggggagggac	agcctgaagc	cagggcaact	1380
ccgggatcca	ccaagaagag	gaagaagcag	agttaggaaa	gccggatgcc	agagacagtg	1440
ccccaaagg	agatgccagg	gccgccactg	aattcagagt	ctggggagga	ggctccacaca	1500
ggccgggaca	agaagcggaa	gcagcagcag	cagcagcctg	tgtagtctgc	ccccgggaaa	1560
ctgaggaact	aaagaääagct	gaaggtgccc	acctgggcca	ccagaaggtg	acaccccaag	1620
aatccctccc	cagagactgc	accagcgcag	ccagcaggag	cctggcttgg	gaggacgatt	1680
tattattaca	ctgggggttt	ccttggcagc	tgggttcatc	agggtacttt	caagaaggc	1740
tcgtgcagga	catcaaacag	cctccgggccc	tggatggag	ggagaaaaaa	atgaggaacc	1800
gtcattaaa	ggagctgttt	cctgggtaaa	aaaaaaaaaa	a		

Homo sapiens Apo-2 ligand mRNA, complete cds.

tttcctca	act gactataaaa	gaatagagaa	ggaagggtt	cagtgaccgg	ctgcctggct	60			
gacttacagc	agtca	gactc	tgacaggatc	atggctatga	tggaggtcca	ggggggaccc	120		
agcc	ctgggac	agac	ctgcgt	gtcgatcg	atctt	cacag tgctcctgca	gtctctgt	180	
gtggctgt	aa	cttacgt	gtta	cattaccaac	gagctga	agatgcagga	caagtactcc	240	
aaa	agtg	ggca	ttgctt	ttt	cttaaa	agaa	gatgacagtt	attgggaccc	300
gagagtat	ga	acagccc	ctg	caagtc	aagtgg	caac tccgt	cagtcgttagaaag	360	
atgat	ttt	ga	acc	cctg	taa	ggaaaccatt	tctacagt	tc aagaaaagca	420
tct	ccc	ctag	tg	gagaga	aa	aggtcctc	agatgcag	ctcacataa	480
gga	aga	agca	ac	acat	ttt	cctcaaa	aaaaggctt	gggcgcgcaaa	540
ata	aa	act	cc	tgc	tcc	aaaatgc	gggatc	tttgc	600
aat	gg	gat	at	cat	catt	tttgc	tttgc	tttgc	660
cgat	tt	cagg	agg	aaaata	aaaa	acaca	aaac	aaatgtt	720
taca	aa	ata	ca	gtt	at	cc	tttgc	tttgc	780
ca	gtt	at	cc	tg	acc	tata	tttgc	tttgc	840
tgg	tct	aa	ag	at	gt	tttgc	tttgc	tttgc	900
aagg	aaa	at	tg	tc	at	tttgc	tttgc	tttgc	960
gaag	cc	at	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	1020
acct	caa	aa	gtt	ttt	cagg	tttgc	tttgc	tttgc	
gac	aaa	ac	act	ttt	cagg	tttgc	tttgc	tttgc	
aaa	aca	aa	act	ttt	cagg	tttgc	tttgc	tttgc	
aca	aa	ac	at	ttt	cagg	tttgc	tttgc	tttgc	
aca	aa	ac	at	ttt	cagg	tttgc	tttgc	tttgc	
aca	aa	ac	aa	aa	aa	aa	aa	aa	

gaccaaaaca aacaacaga aa

Homo sapiens mRNA for annexin A13 (ANXA13 gene), isoform b

Homo sapiens serine protease inhibitor, Kazal type 1, mRNA (cDNA clone)

cgcagaacctt cagccatgaa ggtaaacaggc atctttottc tcagtgcctt ggccctgttg	60
agtcttatctg gtaacactgg agctgactcc ctgggaagag aggccaaatg ttacaatgaa	120
cttaatggat gcaccaagat atatgaccct gtctgtggga ctgatggaaa tacttateccc	180
aatgaatgcg tgttatgttt tgaaaatcg aaacgcoaga cttctatccc cattcaaaaaa	240
tctggccctt gctgagaacc aagggtttga aatccccatca ggtcacccgcg aggcctgact	300
ggccttattt ttgaataaat gtatctgaat atcaaaaaaaaaaaaaaaaaaaaaaaa	360
aa	

Homo sapiens B cell linker protein BLNK mRNA, alternatively spliced

ccttcgtggc	cgcagccctgc	actctcagaa	atcagacttg	agtggccgga	acccttgaga	60
ccagaggcctt	accatgctgc	tcccttaggag	ggccaggaac	tgctgacgtg	accactggac	120
atttattcg	gtctttaca	attaccaaac	agaatggaca	agcttaataa	aataaccgtc	180
cccgccagtc	agaaggtag	gcagcttcaa	aatatggtcc	atgatattaa	aaacaatgaa	240
gttggaaataa	tgaataaaat	caaaaagcta	aaagtcaaag	cacctccaag	tgttccctcgaa	300
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gagaacgtcg	atgacagcta	cgagccgcct	ccagtagagc	agggaaaccag	gccgggtcac	480
ccagccctgc	ccttcgcccag	aggcgagtat	atagacaatc	gatcaagcca	gaggcattcc	540
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aaaaaaaccaa	cgacaccact	gaagacaact	ccagttgcct	ctcaacagaa	tgcttcaagt	960
gtttgtgaag	aaaaacctat	acctgctgaa	cgccaccgag	ggtcaagtca	cagacaagaa	1020
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caacatagtc	ctttggttct	tattgacagt	cagaataaca	caaagattc	caccagactg	1500
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taagaagctc	atgtggactt	tttcttattgc	ctgacccgtat	gaactgttaa	tatctggtga	1740
ggtttagtta	tcatgtact	aatattttcc	aaataaaatat	tttttttttt	aaaaaaaaaaa	1800
aaaaaaa						

Homo sapiens cDNA FLJ12768 fis, clone NT2RP2001576, weakly similar to
HYPOTHETICAL 62.2 KD PROTEIN C4G8.12C IN CHROMOSOME I

agtctccgcg	ctgctgagggc	gcgcggggcc	gtccccacgg	cctccccctcc	gccctgcggt	60
cccggcgct	ccggggcctc	ctgggaccct	ggccctcgcc	gggcaggacg	ccgccagcgc	120
tgaaggcgca	gcccggagggc	cgcgccgatg	cagatctgtg	gatccagcgt	agcatctgt	180
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atggcagtca	gggtgccttg	gggtggcttc	agcctgcgtcc	gagtgcgtg	gtgtctcctt	300
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ggggcggatc	gctggAACGc	cctggccctg	ctgtctgtt	cctacgtcac	cctggcttc	660
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gatccaccag	ccctgtcctc	cttgcgtagt	ggggcttgg	gggaccacct	cagtcttcac	1860
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cttccagcca	ctgtgtatgt	tgaatatatgt	gatagtagct	ggtgtgaaa	aaagacaatg	2220
aactgtatgt	gacatttcctc	aatgacctct	cccaaacctc	ccatgtatgcc	ttacccttgc	2280
tgtcatgaca	accctctgac	ttcctaagac	ccatctgcct	atcgaaatat	gtgcaagtca	2340
gtgagacgaa	gtatagagaa	caggtggccc	agatccaggg	gacccaactt	ctggccctt	2400
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tcccagtcg	ttgggatcag	aggaactttt	aggtgtctgc	cggtcaacat	tgtgtcattc	2520
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gcatggaagt	gggagttgtg	ttgtacttca	tggcactctg	atgcctgtg	tctcagtg	2640
tggttattat	gaaaacaagt	aatgtttgaa	atataataata	gcactgg		

Homo sapiens glycine amidinotransferase (L-arginine:glycine amidinotransferase), mRNA (cDNA clone MGC:1744 IMAGE:3010128), complete

cgggaaggct	tggaccgacg	cggcccagag	gccaggaaca	ttccgcgcgt	ggaccagccg	60
ggccaggcg	atgctgcggg	tgccgtgtct	gcgcggcg	agccgcggcg	ccgaggcggt	120
gcactacatc	ggatctcgcc	ttggacgaac	cttgacagga	tgggtgcagc	gaactttcca	180
gagcacccag	gcagctacgg	cttccctcccg	gaactcctgt	gcagctgacg	acaaagccac	240
tgagcctctg	cccaaggact	gcctctgtctc	ttcttacaac	aatgggacc	ccttagagga	300
agtgtatgt	ggcagagcag	aaaacgcctg	tgttccaccg	ttcaccatcg	aggtaaggc	360
caacacatat	aaaaagtact	gcccattta	ccagaagcaa	ggagggcatt	atttcccaa	420
agatcatttg	aaaaaggctg	ttgctgaaat	tgaagaaatg	tgcaatattt	aaaaaacgga	480
aggagtgaca	gtaaggaggc	ctgacccat	tgactggta	ttgaagtata	aaactctoga	540
ttttgagtct	acgggttat	acagtgcatt	gcctcgagac	atcctgatag	ttgtggcaa	600
tgagattatc	gaggctccca	tggcatggcg	ttcacgcttc	ttttagtacc	gagcgtacag	660
gtcaattatc	aaagactact	tccaccgtgg	cgccaaatgg	acaacagtc	ctaagccac	720
aatggctgat	gagcttata	accaggatta	tcccatccac	tctgtagaag	acagacacaa	780
attggctgct	cagggaaaat	ttgtgacaac	tgagtttgag	ccatgtttt	atgctgctga	840
cttcattcga	gctggaaagag	atatttttc	acagagaagc	caggttacaa	actacctagg	900
cattgaatgg	atgcgttaggc	atcttgcctc	agactacaga	gtgcataatca	tctccattaa	960
agatccaaat	cccatgcata	ttgatgctac	cttcaacatc	attggacctg	gtattgtgt	1020
ttccaaacct	gaccgaccat	gtcaccagat	tgatctttc	aagaaagcag	gatggactat	1080
cattactcct	ccAACACCAA	tcatcccaga	cgatcatcca	ctctggatgt	catccaaatg	1140
gtttccatg	aatgtcttaa	tgctagatga	aaaacgttt	atggtgatg	ccaatgaagt	1200
tccaaattcaa	aaagattttg	aaaagctggg	tatcaactacc	attaaagtt	acattcgtaa	1260
tgccaattcc	ctgggaggag	gttccattg	ctggacctgc	gatgtccggc	gccgaggcac	1320
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aacattgtga	tatgtctac	aaaaaacott	ttcatataca	tcttacccca	tttcaagtga	2040
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cgctatcagt	tcccatcctt	aagtttgtat	attcaatatac	tgtatagatac	actgcatactt	2160
tggtcatcta	agatttgitt	acaaatgtgc	aaatttattt	gagcatagac	tttataagca	2220
ttaaaaaaaaaa	ctaatggagg	taaaacctaa	atgcgtatgt	aaataatttt	agtgttgata	2280
ccgtatgtgt	atttttattc	taataaaactt	ttgtgttcca	aaaaaaaaaa	aaaaaaaaaa	2340
aa						

Homo sapiens cDNA FLJ10143 fis, clone HEMBA1003281, weakly similar to POLIOVIRUS RECEPTOR PRECURSOR.

agcagaggga acagggaaga aacctaaagg ctgcaggctg ccaggtgtgc ttggagagcc	60
cccttcttcc gcccggcctc gcaaggcagcg taggactgtg gagaaggcg gtggcaagg	120
agggaaactcg agacgcggct ccatgggcac acaggaggcg tggctgcctgc tgctctgcct	180
ggctctatct ggagcagcag aaaccaagcc ccacccagca gagggggcagt ggcccccaag	240
ggacgtggtc ctagactgtc tcctggcga ggacgggtcg caccgtggag ctctcgccag	300
cagtgaggac agggcaaggg cttcccttgt gctgaagcag gtgccagtgc tggacgatgg	360
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gaccactgtt aagacagcag cttgggtcat ggccaacgtg caggtctctg gacggggacc	600
tagcatctcc ttggtgatga agactcccag ggtcgccaaag aatgaggcgcc tctggcaccc	660
gacgctgaac ttgccactga gcccccaagg gactgtgca actgcagtgg agttccagg	720
gatgacacag acccaatccc tgagcttcct gctgggtcc tcagcctcct tggactgtgg	780
cttctccatg gcaccgggct tggacctcat cagtgtggag tggcgactgc agcacaagg	840
caggggtcag ttggtgataca gctggaccgc agggcagggg caggtgtgc ggaaggcgcc	900
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ctcccatctc catgaagacc gcacagcgcc tgtaagccag cccagctgac ctaaagcgac	1560
atgagactac tagaaagaaaa cgacaccctt ccccaagccc ccacagctac tccaaacccaa	1620
acaacaacca agccagttt atggtaggaa ttgttatgtt ttgcctttgt tcagaataca	1680
tgacatttgtt aaat	

Homo sapiens leucine aminopeptidase 3, mRNA (cDNA clone IMAGE:2821948),
partial cds

gtctggccgt gagacgttgc	gggagccgga gtctctccac	cgcagacatg acgaaggccc	60
ttgttttagg aatctattcc	aaagaaaaag aagatgtatgt	gccacagtgc acaagtgcag	120
gagagaattt tgataaaatg	ttagctggaa agctgagaga	gacttgaac atatctggac	180
cacctctgaa ggcaggaaag	actogaacct tttatggct	gcatcaggac ttccccagcg	240
tggtgttagt tggcctcgcc	aaaaaggcag ctggaatcga	cgaacaggaa aactggcatg	300
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ccgaaattat tgagaagaat	ctcaaaaatgt ctagtagtaa	aaccgaggc catatcagac	660
ccaagtcttg gattgagggaa	caggcaatgg gatcattct	cagtgtggcc aaaggatctg	720
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ccctgggttt tgttggggaa	ggaattacct ttgacagtgg	tggtatctcc atcaaggctt	840
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tcgtgtctgc tgcaaagctt	aatttgccta ttaatattat	aggtctggcc cctctttgtg	960
aaaatatgcc cagoggcaag	gccaacaagc cggggatgt	tgttagagcc aaaaacggga	1020
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gaactaaaaa gtttttggaa	taatggatg aaaatcttt	aacggagaca aaggatggta	1620
tttaaaaatg tagaacacaa	tgaatttgt atgccttgat	tttttttca ttccacacaa	1680
agattataa aggtaaagg	aatatcttac ttgataagga	tttttaagat actctataaa	1740
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caaaattgtt actcagatt	gtgatgttag gaacatgagc	aaactgaaaa ttactatgca	1860
cttgtcagaa acaataaaatg	caacttggc tgctcaaaaaa	aaaaaaaaaaaa aaaaaaaaaaa	1920
aaaaaaaaaa aaaaaaaaaa			

Homo sapiens mRNA for protein phosphatase 4 regulatory subunit 2 (PPP4R2 gene)

actgtacaaa tgctttattt ctattcaata	tttagaaagac agttataaac aagatgcatt	60
caatagcatg gtggcagatg aacatcagga	aggaacatcc atgagcttcc atccacggaa	120
cctcaccatg gatacgctg tgatcaaggg	cctggcttcc cctcaagaca cggtcacaga	180
tcagaggcca caccatctca gcagtggagc	agtaccagct gggacagggt ccttctgtga	240
cacctgctgc atcaccaggc tgggtAACG	gacacaatgg ccagaactca cagaatagaa	300
gtatcagcac cgaaacactca cagaaaaat	ggttaagtctt aagttctcc attaatagta	360
actctcagat taatctctgt catccatcg	tttccaaga aatgacttt tagggtgatg	420
tgcgcaggcgc catgttggag ggctgggtgt	agcggcttgg ggaggtgctc actctgtcgg	480
tcttgcttc tcgcacgcgtt cccccggctc	ccttcgttcc ccccccccg tcgcctgcgt	540
gccggagtgt gtgcgaggga gggggagggc	gtcggggggg tggggggagg cgttccggc	600
cccaaaagac ccgcggaggc aggccggaggc	tgtgaggagc tccgggaagc catggacgtc	660
gagaggctcc aggaggcgtc gaaagattt	gagaagaggg gaaaaaagga agtttgcct	720
gtcctggatc agtttcttg tcatgttagcc	aagactggag aaacaatgtat tcagtgtcc	780
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aaggaaaagaa tactgaaaat tgcactgga	tttaatgta tcccttttac tattcagcga	960
ctatgtaat tgtaaacaga tccaaaggaga	aactatacag gaacagacaa atttctcaga	1020
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tccaaatagtt taaatcgaaat gaatgggtgt	atgtttctgt gaaatgcacc aagctatact	1140
gagaggtcta atataaatgg gcctgggaca	cccgaggccac gtaatcgacc aaagggttct	1200
ctgtcagccc ccatgacaaac aaatgggtgg	cctgagagca cagacagcaa agaggcaa	1260
ttgcagcaaa atgaggagaa aactcacagt	gactcttcga catctgaatc agaagttcc	1320
tcagttagcc ctttgagaaa taaacatcca	gatgaagatg ctgtggaaagc tgagggcat	1380
gaggtaaaaa gactcagggt tgacaaagaa	ggtgaagtca gagaaaacagc cagtcaacg	1440
acttccagcg aaatttcttc agttatgta	ggagaaaacag aagcatcatc ttcatctcag	1500
gataaaagaca aagatagccg ttgtacccgg	cagcactgta cagaagagga tgaagaagag	1560
gatgaagagg aagaagaaga gtctttatg	acatcaagag aaatgatccc agaaagaaaa	1620
aatcaagaaaa aagaatctga tgatgccta	actgtgaatg aagagacttc tgaagaaaaat	1680
aatcaaataatgg aggaatctga tgtgtctcaa	gctgagaaaat atttgctaca ttctgaaggt	1740
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tgatgacgaa gccacagaag tcaccgatga	accactgaa caagactatt tagaaacatt	1920
tacatgcagt attttacaca cagttctgg	tttaacactg tataaaaactt ttatgtaaaa	1980
aagtgcaccc ttagtttac aagtaaagca	ggttgtaaaa taaagtactt tatggataat	2040
tcctgaaaag		

Human mRNA for (2'-5') oligo A synthetase E (1,6 kb RNA)

gaggcagttc	tgttgccact	ctctctcctg	tcaatgatgg	atctcagaaaa	taccccagcc	60
aaatctctgg	acaagtcat	tgaagactat	ctcttgcag	acacgtgtt	ccgcatgcaa	120
atcgaccatg	ccattgacat	catctgtggg	ttcctgaagg	aaaggtgctt	ccgaggttagc	180
tcctaccctg	tgtgtgtgtc	caaggtggta	aagggtggct	cctcaggcaa	gggcaccacc	240
ctcagaggcc	gatctgacgc	tgacctgggt	gtcttcctca	gtcctcteac	cactttcag	300
gatcagttaa	atcgccgggg	agagttcattc	cagaaattt	ggagacagct	ggaagcctgt	360
caaagagaga	gagcacttc	cgtgaagttt	gagggtccagg	ctccacgctg	gggcaacccc	420
cgtgcgctca	gcttcgtact	gagttcgctc	cagctcgggg	aggggggtgga	gttcgatgtg	480
ctgcctgcct	ttgatgccct	gggtcagttt	actggcagct	ataaaacctaa	cccccaaattc	540
tatgtcaagc	tcatcgagga	gtgcaccgac	ctgcagaaaag	agggcgagtt	ctccacctgc	600
ttoacagaac	tacagagaga	cttcctgaag	cagcggccca	ccaagctcaa	gagccctcatc	660
cgcctagtca	agcactggta	ccaaaattgt	aagaagaagc	ttggaaagct	gccacctcag	720
tatgccctgg	agctcctgac	ggtctatgct	tgggagcgag	ggagcatgaa	aacacatttc	780
aacacagccc	aaggattcg	gacggctttt	gaattagtca	taaactacca	gcaactctgc	840
atctacttgg	caaagtatta	tgactttaaa	aacccattt	ttgaaaagta	cctgagaagg	900
cagctcacga	aacccaggcc	tgtgatcctg	gacccggcgg	accctacagg	aaacttgggt	960
ggtggagacc	caaagggttg	gaggcagctg	gcacaagagg	ctgaggcctg	gctgaattac	1020
ccatgcttta	agaattggga	tgggtcccca	gtgagctct	ggattctgt	ggtgagacct	1080
cctgcttcct	ccctgccatt	catccctgcc	cctctccatg	aagcttggaa	catatagctg	1140
gagaccattc	tttccaaaga	acttacctct	tgccaaaggc	catttatatt	catatagtga	1200
caggctgtgc	tccatatttt	acagtcat	tggtcacaat	cgagggtttc	tggaattttc	1260
acatcccttg	tccagaattc	attccctaa	gagtaataat	aaataatctc	taacaccaaa	1320
aa						

Homo sapiens A-kinase anchoring protein 18 beta mRNA, complete cds.

gctcgccagac tggctataa actgcaattt ctatgggg tcctcacgga gaagaacacc	60
aggaaagaca gacaggacca gtgcgttgc ccagcttc tgccttcctt tctcaagaga	120
tgaaggaaaa atcagttagt tggaaagctc gtcctctgca gtctacaaa gatacagcaa	180
ggatataccc agttggtcaa gtggtaaaa gaacggaggg gagcccgatg acgctgaact	240
agtaaggctc agtaagaggc tggtggagaa cgcgggtgtc aaggctgtcc agcagtatct	300
ggaggaaaca cagaataaaa acaagccggg ggaggggagc tctgtaaaaa ccgaagcagc	360
tgatcagaat ggcaatgaca atgagaacaa cagggaaatga gcccgaaacg caggccccca	420
tgtctctgtg caaaggctcc ctgcttcctt ctgctgagtc tag	

Homo sapiens peptidyl prolyl isomerase H (cyclophilin H), mRNA (cDNA clone

cttctgttc	cgggtcgag	ccatggcggt	ggcaaattca	agtcctgtta	accccggtt	60
gttcttgat	gtcagtattg	gcggtcagga	agttggccgc	atgaagatcg	agctcttgc	120
agacgttgt	cctaagacgg	ccgagaactt	taggcagttc	tgcaccggag	aattcaggaa	180
agatggggtt	ccaataggat	acaaaggaaag	cacccac	agggtcataa	aggatttcat	240
gattcagggt	ggagatttt	ttaatggaga	tggtaacttgg	gtcgccagta	tttaccgggg	300
gccatttgca	gatgaaaatt	ttaaacttag	acactcagct	ccaggccctgc	tttccatggc	360
gaacagtgg	ccaagtacaa	atggctgtca	gttcttatac	acctgctcta	agtgcgattt	420
gctggatgg	aagcatgtgg	tgtttggaaa	aatcatcgat	ggacttctag	tgtatgagaaa	480
gattgagaat	gttcccacag	gcuccaaca	taagccaaag	ctacctgtgg	tgtatctcgca	540
gtgtggggag	atgtatcca	gacaaagact	gaatcaggcc	ttcccttctt	cttgggtgt	600
ttcttgagta	agataatctg	gactggcccc	cgtcttgct	tccctgcctg	ctgctgcccc	660
atttgatcaa	gagaccatgg	aagtgtcaga	gattcagaat	ccaagattgt	ctttaagttt	720
tcaactgtaa	ataaaagttt	tttgtatgcg	aaaaaaaaaa	aaaaaa		

Homo sapiens mRNA; cDNA DKFZp564C0362 (from clone DKFZp564C0362); complete cds

gggggaggct	gtgatgggtt	gacaggtgcg	tgacagtggg	agctgctctc	ggcacaaagca	60
tgtacggcaa	aggcaagagt	aacagcagcg	ccgtccccgtc	cgacagccag	gcccgggaga	120
agtttagca	ctacgtata	aatatctgc	tccatgtagg	agctcagaaaa	tcagctaaa	180
catttttac	agagataaga	tggaaaaaaa	acatcacatt	gggggaacca	ccaggattct	240
tacattcttgc	gtggtgtgt	ttttggatc	tctactgtgc	agctccagag	agacgtgaaa	300
catgtaaaca	ctcaagtgaa	gcaaaaaggct	tccatgatta	cagtgctgca	gcagctccc	360
gtccagtgt	aggaaacatt	cccccaggag	atggcatgcc	agtaggtcct	gtaccaccag	420
ggttcttca	gccttttatg	tcacctcggt	accctggagg	tccaaaggccc	ccattgagga	480
tacctaattca	ggcaatttgg	ggtgtcccg	gaagtcagcc	attactcccc	agaggaatgg	540
atccaactcg	acaacaagga	catccaaata	tgggtgggcc	aatgcagaga	atgactcc	600
caagaggaat	ggtgcctta	ggaccacaga	actatggagg	tgcataatgaga	ccccactga	660
atgcctttag	tggcccttgg	atgccttggaa	tgaacatggg	tccaggtgg	ggtagacctt	720
ggccaaaccc	aacaaatgcc	aattcaatac	cataactctc	agcatctcct	gggaattatg	780
tagtcctcc	aggaggttgg	gggcaccag	gaacaccat	catgcctagt	ccagcagatt	840
caaccaactc	tggtataaac	atgtatactt	taatgaatgc	agtacccct	ggacctaaca	900
gacctaattt	tccaatgggc	cctgggtcag	atggcccat	gggtggatta	ggaggaatgg	960
agtacacatca	catgaatggc	tctttaggt	caggagatat	ggacgtatt	tccaagaatt	1020
ctcccaataa	tatgagctg	agtaatcaac	cgggcactcc	aagggatgat	ggcgaatgg	1080
ggggaaattt	cttaaatcct	tttcagagt	agagttactc	ccctagcatg	acaatgagcg	1140
tgtatccat	taccaagtct	cctcatgaaa	accacagtga	gtcagccctt	cacagaacta	1200
ctacggaaaga	aaattattca	tcacagtgt	cagttaaaca	aaggaatctc	agtacaccca	1260
aaccaacctt	ttcatttcc	gctctctccc	ctctttgt	aagaaagcgg	gtccagatgt	1320
gattcaaaca	actgtacgga	gtggcatatt	agaattgccc	taaaactgaac	tgcaaataat	1380
tatgtgt	tgtatatgt	tggaaagag	aatgtactgt	atatgttat	gttatacaga	1440
catatacaca	tacatacatt	gaccacagg	acattgtaaa	atattatcac	atgacatctt	1500
aagttagaaat	aagttagggac	ttttattcca	tcctttttt	cacgtttaca	tttaattat	1560
tacaagttgc	tcctgcccc	tccctgaact	attttgtgt	gtgtatatca	ctgctttata	1620
taagttat	tttaaggtga	actcagatgt	tatggtttg	tatatgtctg	caatcatgga	
taggaataaa	atcgcttatt	tgagagctt	aaaaaaaaaa	aaaaaaaaaa	c	1680

Human interferon-induced cellular resistance mediator protein (MxB) mRNA,
complete cds.

aagagatgat	ttctccatcc	tgaacgtgca	gcgagcttgt	caggaagatc	ggagggtgcc	60
agttagcagag	aaagcatccc	ccagctctga	cagggagaca	gcacatgtct	aaggcccaca	120
agccttggcc	ctaccggagg	agaagtcaat	tttcttctcg	aaaatacctg	aaaaaaagaaa	180
tgaattcctt	ccagcaacag	ccaccgcccc	tcggcacagt	gccaccacaa	atgatgtttc	240
ctccaaactg	gcagggggca	gagaaggacg	ctgcttccct	cgccaaggac	ttcaactttc	300
tcactttgaa	caatcagcca	ccaccaggaa	acaggagcca	accaagggca	atggggcccg	360
agaacaacct	gtacagccag	tacgagcaga	aggtgcgccc	ctgcattgac	ctcatcgact	420
ccctgcgggc	tctgggtgt	gagcaggacc	tggccctgcc	agccatcgcc	gtcatcgggg	480
accagagctc	gggcaagagc	tctgtgtgg	aggcactgtc	aggagtgcgc	cttcccagag	540
gcagcggaat	cgtaaccagg	tgtccgtgt	tgctgaaact	aaaaaaagcag	ccctgtgagg	600
catggcccg	aaggatcagc	taccggaaaca	ccgagctaga	gcttcaggac	cctggccagg	660
tggagaaaaga	gatacacaaa	gcccagaacg	tcatggccgg	gaatggccgg	ggcatcagcc	720
atgagctcat	caggctggag	atcacccccc	ctgaggttcc	agacctgacc	atcattgacc	780
ttcccgccat	caccagggt	gctgtggaca	accagccccg	agacatcgga	ctgcagatca	840
aggctctcat	caagaagtac	atccagaggc	agcagacat	caacttggt	gtggttccct	900
gtAACGTGGA	CATTGCCACC	ACGGAGGCG	TGAGCATGGC	CCATGAGGTG	GACCGGGAAG	960
GGGACAGGGAC	CATCGGTATC	CTGACCAAAAC	CAGATCTAAT	GGACAGGGGC	ACTGAGAAAAA	1020
GCCTCATGAA	TGTGGTGCGG	AACCTCACGT	ACCCCTCAA	GAAGGGCTAC	ATGATTGTGA	1080
AGTGCCGGGG	CCAGCAGGAG	ATCACAAACA	GGCTGAGCTT	GGCAGAGGCA	ACCAAGAAAAG	1140
AAATTACATT	CTTCTAAACA	CATCCATATT	TCAGAGTTCT	CCTGGAGGGAG	GGGTCAGC	1200
CGGTTCCCCG	ACTGGCAGAA	AGACTTACCA	CTGAACATCAT	CATGCATATC	CAAAAATCGC	1260
TCCCCTGTGTT	AGAAGGACAA	ATAAGGGAGA	GCCACCAGAA	GGCGACCGAG	GAGCTGC	1320
GTTGCGGGGC	TGACATCCCC	AGCCAGGAGG	CCGACAAGAT	GTTCTTCTA	ATTGAGAAAAA	1380
TCAAGATGTT	TAATCAGGAC	ATCGAAAAGT	TAGTAGAAGG	AGAAGAAGTT	GTAAGGGAGA	1440
ATGAGACCCG	TTTATACAAAC	AAAATCAGAG	AGGATTTAA	AAACTGGGTA	GGCATACTTG	1500
CAACTAATAC	CCAAAAAGTT	AAAATATTAA	TCCACGAAGA	AGTTGAAAAA	TATGAAAAGC	1560
AGTATCGAGG	CAAGGAGCTT	CTGGGATTG	TCAACTACAA	GACATTGAG	ATCATCGTGC	1620
ATCAGTACAT	CCAGCAGCTG	GTGGAGCCCCG	CCCTTAGCAT	GCTCCAGAAA	GCCATGGAAA	1680
TTATCCAGCA	AGCTTCATT	AACGTGGCCA	AAAAACATT	TGGCGAATT	TTCAACCTTA	1740
ACCAAACCTGT	TCAAGAGCAG	ATTGAAGACA	AAAAAGTGA	ACACACAGCA	AAGGCAGAAA	1800
ACATGATCCA	ACTTCAGTTC	AGAATGGAGC	AGATGGTTT	TTGTCAAGAT	CAGATTACA	1860
GTGTTGTTCT	GAAGAAAGTC	CGAGAAGAGA	TTTTAACCC	TCTGGGACG	COTTACACAGA	1920
ATATGAAGTT	GAACTCTCAT	TTTCCCAGTA	ATGAGTCTC	GGTTTCTCC	TTTACTGAAA	1980
TAGGCATCCA	CCTGAATGCC	TACTTCTTGG	AAACCAGCAA	ACGTCTCGCC	AACCAGATCC	2040
CATTATAAT	TCACTTATT	ATGCTCCAG	AGAATGGTGA	CTCCTTGCAG	AAAGCCATGA	2100
TGCAAGATACT	ACAGGAAAAAA	AATCGCTATT	CCTGGCTGCT	TCAAGAGCAG	AGTGAGACCG	2160
CTACCAAGAG	AAGAACCTT	AAGGAGAGAA	TTTACCGGCT	CACTCAGGCG	CGACACGCA	2220
TCTGTCAATT	CTCCAGCAAA	GAGATCCACT	GAAGGGCGGC	GATGCCTGTG	GTGTTTTCT	2280
TGTGCGTACT	CATTCTTCT	AAGGGGAGTC	GGTGCAGGAT	GCCGCTTCTG	CTTGGGGCC	2340
AAACTCTCT	GTCACTATCA	GTGTCCATCT	CTACTGTACT	CCCTCAGCAT	CAGAGCATGC	2400
ATCAGGGGTC	CACACAGGCT	CAGCTCTCTC	CACCACCCAG	CTCTCCCTG	ACCTTCACGA	2460
AGGGATGGCT	CTCCAGTCT	TGGGCTCCGT	AGCACACAGT	TACAGTGTCC	TAAGATACTG	2520
CTATCATTCT	TCGCTAATT	GTATTGTAT	TCCCTTCCCC	CTACAAGATT	ATGAGACCC	2580
AGAGGGGGAA	GGTCTGGGT	AAATTCTTCT	TTTGTATGTC	CAGTCTCTG	CACAGCACCT	2640
GCAGCATTGT	AACTGCTAA	AAATGACAT	CTCACTGAAC	GAATGAATG	TGTGTAAGTG	2700
ATGGAGATAC	CTGAGGCTAT	TGCTCAAGCC	CAGGCCTTGG	ACATTTAGTG	ACTGTTAGCC	2760
GGTCCCTTTC	AGATCCAGTG	GCCATGCC	CTGCTTCCC	TGGTTCACTG	TCAATTGTGTT	2820
TCCCAGCTC	TCCACTCCCC	CGCCAGAAAG	GAGCCTGAGT	GATTCTCTT	TCTTCTTGT	2880
TCCCTGATTA	TGATGAGCTT	CCATTGTTCT	GTAAAGTCTT	GAAGAGGAAT	TAAATAAAGC	2940
AAAGAAACTT	TTAAAAACG	T				

Human Ro/SSA ribonucleoprotein homolog (RoRet) mRNA, complete cds.

gaccacacgcg	tccggaaaagc	tatggccctca	accaccagca	ccaagaagat	gatggaggaa	60
gccacacct	ccatctgcct	gagcctgatg	acgaacccag	taagcatcaa	ctgtggacac	120
agctactgcc	acttgtgtat	aacagacttc	ttaaaaaacc	caagccaaaa	gcaactgagg	180
caggagacat	tctgtgtcc	ccagtgtcg	gctccatttc	atatggatag	cctccgacc	240
aacaaggcgc	tggaaagcct	cattgaagcc	ctcaaagaga	cggatcaaga	aatgtcatgt	300
gaggaacacg	gagagcagtt	ccacctgttc	tgCGAAGACG	agggggcagct	catctgtgg	360
cgctgtgagc	gggcaccaca	gcacaaagg	cacaccacag	ctcttggta	agacgtatgc	420
cagggctaca	aggaaaagct	ccagaaagct	gtgacaaaac	tgaagcaact	tgaagacaga	480
tgtacggagc	agaagctgtc	cacagcaatg	cgaataacta	aatggaaaga	gaaggtacag	540
attcagagac	aaaaaaatccg	gtctgacttt	aagaatctcc	agtgtttcct	acatgaggaa	600
gagaagtctt	atctctggag	gctggagaaa	gaagaacaac	agactctgag	tagactgagg	660
gactatgagg	ctggctgtgg	gctgaagagc	aatgaactca	agagccacat	cctggactg	720
gaggaaaaat	gtcagggctc	agcccagaaa	ttgtgcaga	atgtgaatga	cactttgagc	780
aggagttggg	ctgtgaagct	ggaaacatca	gaggctgtct	cottggaaact	tcataactatg	840
tgcaatgttt	ccaaGTTTA	cttcgatgt	aaggaaaatgt	taaggagtca	tcaagttagt	900
gtgactctgg	atccagatac	agctcatcac	gaactaattc	tctctgagga	tccggagacaa	960
gtgactcgtg	gatacaccca	ggagaatcag	gacacatctt	ccaggagatt	tactgccttc	1020
ccctgtgtct	tgggttgtga	aggcttcacc	tcaggaagac	gttacttga	agtggatgtt	1080
ggcgaaggaa	ccggatggg	tttaggagtt	tgtatggaaa	atgtgcagag	ggcactggc	1140
atgaagcaag	agcctcagtc	tggattctgg	accctcaggc	tgtgaaaaaa	gaaaggctat	1200
gtagcactta	cttccccccc	aacttccctt	cattgcatg	agcagcccc	gtttgtggg	1260
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caatatttcc	ctttgtttct	gcctccccca	ggtgactaag	aaaaagagca	gaagctcctt	1440
ggtttaacca	gcacagagaa	aataatataa	atccataaag	ggcagacgtt	tgtctgttt	1500
tcttcgtct	catttcctta	gtagttagac	tagtgcgtag	attttagtgg	atataataatt	1560
gattttatgt	gaatatatgg	acttagcaac	taaaaatacc	acagatgggt	aacctggact	1620
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tcagggctt	gatttccaag	ggtttcagg	tgatgatgt	gggtaccac	aagtcaagaag	1740
gtctgcgttc	tcctagttt	tttgcgtca	tttgaactca	tgttagggat	gaaagaaagc	1800
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actcttccaa	ccactgacat	tttgcgtttaat	aatctaagcg	gcagtccgt	agctaccag	1920
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ttcagagaag	agcaaataga	cottaacttc	atttgaaaaa	agaccaaatt	accatacccg	2220
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tcacaaaatt	gctaaatgtt	ataattttaga	gttgcataaa	aaattgtgt	ccaggcatgg	2340
tggctcacgc	ctgtatccc	agaactatgt	gaggctgagg	cagggtgtc	acttgagggtc	2400
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aaaaattaaat	gtttactgtat	atttgttga	gtcttacaac	atcaccctgt	agaataggag	2640
aaatgaagca	acagttgtgt	ctagatgtca	gaggcatggc	ttggcccca	tctctgttgc	2700
agggagatata	aaaagagttc	aaactattgc	ccatgttccc	cagggtcaga	agttctaatt	2760
atgatgata	aggctgggtt	gttaagttagt	agtgaagggt	agcagaatat	gccatcttg	2820
gcataagaag	tatTTTGT	tgaagacaat	tgagaaaaaa	aaaaaaa	aa	2872

Homo sapiens cDNA FLJ10465 fis, clone NT2RP1001616.

actctgctgc	cggcttctcg	gagcggcgct	gggcgaccag	agcagggtcg	agatgtccta	60
catcccccggc	cagccggta	ccgcccgtgg	gcaaagagg	gaaattcaca	agctgcgtca	120
aggtgagaac	ttaatcctgg	gtttcagcat	tggaggtgga	atcgaccagg	acccttccca	180
aatcccttc	tctgaagaca	agacggacaa	ggtgaggggg	tctggggtcc	tgggaccgct	240
ccatggggca	cagggggcctg	agatggtggg	tctctgctc	ctgggcctgc	atggaaaggaa	300
cagacttcat	ctctcaaacc	atgctctcta	agaaggcatc	ggaagtgacc	tagtgagaat	360
aaggacgggt	gggggtgagga	agggctgctc	agacagagcc	caggaggagc	aggaggccgc	420
catcagcagg	gcgggtgcat	ggtgtgcag	caactctgcc	ccggctctct	cagaacagtc	480
ctcaactgacc	atatgtgctg	ggagaggctg	ggtgcaggg	cagagggacg	gctgagaatg	540
tgccatgtcg	gtttcccgctg	tgtgataagg	ggccagtc	gtgaccacag	ggcttgactt	600
gggctggccc	tttccagggt	atttatgtca	cacgggtgtc	tgaaggaggc	cctgctgaaa	660
tcgctgggt	gcagattgga	gacaagatca	tgcaggtaac	aggtgtccca	aaggaggaga	720
aataaggttt	gggcaagcag	gtctgaagca	cttgggggtg	gggagctgcc	ccagcctccc	780
agctgggaga	gactcaactgc	agccaattgg	gaacccatac	tggcattgcc	ccagaggacg	840
ctggctttct	ctccctgtgt	tctcagccac	agtgcgttgt	gtctcccagc	cctgggatgt	900
taggctgggg	gcctacttga	atgacctggg	cccccaaagc	cctctgcttc	cagatcccag	960
aggcggggga	gctgaggtga	gcctgtgttc	tctctgggg	ccaggtgaac	ggctgggaca	1020
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tggtcccaga	ggcctggcct	ggccttcctt	cccttctccc	atccctggcc	tggggcctct	1320
gggaccagct	ttctctcctg	gacaccgagg	attggaaata	agggcctgga	gctgagtagt	1380
agccagtcg	ctgtgaccac	aggctcagg	ccgaccctgc	tgcctggcca	cagcagtggc	1440
tgggcaagtg	ggaaccacta	tctctggga	ccccccaaaa	gctggaaat	gctggagaa	1500
ccaggcctt	cccgcttttg	cctggctgca	gggttcggct	ccgcccctgc	cccccagccc	1560
tcgtgtgtcc	acaccgcagt	gcctctgccc	ctcgggggac	tggacacaca	tcctgccaga	1620
ggcgctacga	agctttgccc	agatgaaagcc	aggtgggctc	cgcgttca	cccactctcc	1680
cgaggggtgc	tgcctcccc	agggttgc	ttcttacg	tttagacgag	gttcgaggct	1740
cacctatcag	ggcagctctc	aggatgtca	ttttcctt	tgcctgtggg	tttaacttt	1800
gtatTTTTT	aatcacaagt	ttgataca	aaatgttttat	cgt		1843

Homo sapiens histone 2, H2aa, mRNA (cDNA clone MGC:2238 IMAGE:3536984), complete cds.

ccaggcagga	gtttctctcg	tgactacta	tcgctgtcat	gtctggtcgt	ggcaagcaag	60
gaggcaaggc	ccgcgccaag	gccaaagtgc	gctcgccccg	cgctggcctt	cagttcccgg	120
tagggcgagt	gcatcgcttg	ctgcgc当地	gcaactacgc	ggagcgagtg	ggggccggcg	180
cgcccgtcta	catggctcg	gtcctcgagt	atctgaccgc	cgagatcctg	gagctggcg	240
gcaacgcggc	tcgggacaac	aagaagacgc	gcatcatccc	tcgtcacctc	cagctggcca	300
tccgcaacga	cgaggaactg	aacaagctgc	tggcaaagt	caccatcgcc	cagggcggcg	360
tcttgcctaa	catccaggcc	gtactgctcc	ctaagaagac	ggagagtcac	cacaaggcaa	420
agggcaagtg	aggctgacgt	ccggcccaag	tggcccagc	ccggcccg	tctcgaaggg	480
gcacctgtga	actcaaaaagg	ctctttcag	agccacccac	gtttcaaat	aaaagagttg	540
ttaatgctga	aaaaaaaaaa	aaaaaaaaaa				

Homo sapiens transcription factor ISGF-3 mRNA, complete cds.

attaaacctc	tcgcccagcc	cctccgcaga	ctctgcggcg	gaaagttca	tttgcgttat	60	
gccatcccg	agagctgtct	aggtaacgt	tgcactctg	tgtatataac	ctcgacagt	120	
ttggcaccta	acgtgctgt	cgtagctgct	ccttggtt	aatccccagg	cccttgttgg	180	
ggcacaagg	ggcaggatgt	ctcagtgta	cgaacttcag	cagcttact	caaatttcct	240	
ggagcaggtt	caccagttt	atgatgacag	tttccatg	gaaaatcagac	agtacactggc	300	
acagtggta	gaaaagcaag	actgggagca	cgtgccaat	gatgttcat	ttgccaccat	360	
ccgtttccat	gacctccgt	cacagctgga	tgtcaatat	agtgcgtttt	cttggagaa	420	
taacttctt	ctacagcata	acataaggaa	aagcaagcgt	aatttcagg	ataatttca	480	
ggaagaccca	atccagatgt	ctatgatcat	ttacagctgt	ctgaaggaag	aaaggaaaaat	540	
tctggaaaac	gccagagat	taatcaggc	tcagtcgggg	aatattcaga	gcacagtgt	600	
tttagacaaa	cagaaagagc	ttgacagtaa	agtcaagaaat	gtgaaggaca	aggttatgt	660	
tata gagcat	gaaatcaaga	gcctggaa	ttacaagat	gaatatgact	tcaaattgcaa	720	
aacctgcag	aacagagaac	acgagacaa	tgggtggca	aagagtgtac	agaaacaaga	780	
acagctgtt	ctcaagaaga	tgtatttaat	gttgacaat	aagagaaaagg	aagttagtca	840	
caaaaataata	gagttgtca	atgtcaactga	acttacccag	aatgcctga	ttaatgtga	900	
actagtggag	tggaaagcgg	gacagcagag	cgccctgttatt	ggggggccgc	ccaatgtttt	960	
cttggatcat	ctgcagaact	gttcaactat	attgcggag	agtctgcgc	aagttcgcc	1020	
gcagcttaaa	aagttggagg	aatttggaa	aca	gaatacacc	tacgaacatg	1080	
aaaaaaacaaa	caagtgttat	gggaccgcac	:cttcagtctt	ttccagcgc	tcattcagag	1140	
ctcgtttgt	gtggaaagac	agccctgcac	gccaacgcac	cctcagag	cgctggctt	1200	
gaagacaggg	gtccagttca	ctgtgaagtt	gagactgtt	gtgaaattgc	aagagctgaa	1260	
ttataattt	aaagtcaaa	tcttatttga	taaagatgt	aatgagagaa	atacagtaaa	1320	
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caccaatggc	agtctggcgg	ctgaatttgc	gcac	ctgaa	ttgaaagaac	1440	
tggcaccaga	acgaatgagg	gtcctctcat	cgttactgaa	gagcttca	cccttagtt	1500	
tgaaacccaa	ttgtgccagc	ctgggttgg	aatttgc	cttgc	ctctgcccgt	1560	
tgtgggtatc	tccaaacgtca	gccagctccc	gagcgttgg	gcctccatcc	tttgg	1620	
catgctgtt	gcgaaaccca	ggaatctgtc	cttcttctg	actccaccat	gtgcacgat	1680	
ggctcagtt	tcagaagtgc	tgagttggca	gtttcttct	gtcac	aaaaatttgc	1740	
tgtggaccag	ctgaacatgt	tgggagagaa	gttcttgg	ccta	acgc	ccccgatgg	1800
tctcattccg	tggacgagg	tttta	aaatataaaat	gataaaaaatt	ttcccttct	1860	
gctttggatt	gaaagcatcc	tagaactcat	taaaaaacac	ctgctcc	tctggaat	1920	
tgggtgcac	atgggcttca	tcagcaagga	g	gcg	aggaccagca	1980	
gccggggacc	ttcctctgtc	gttca	cttgc	gag	ccctgttgc	2040	
atgggtggag	cgttcccaga	acggaggcga	ac	cttgc	tttgc	2100	
gaagaaagaa	cttctgtc	ttacttccc	tgacatcatt	cgcaatt	aca	2160	
tgcgtgaaat	attcctgaga	atccccctgaa	gtatctgtat	ccaaatattt	aaaaagacca	2220	
tgccttttgg	aagtattact	ccaggccaaa	ggaagcacca	gagccat	tttgcgttgc	2280	
ccctaaagga	actggatata	tcaagactga	gtt	gtt	tttgc	2340	
tagacttcag	accacagaca	ac	gtt	gtt	ccacc	2400	
tcggatagt	ggctctgtag	aatttgc	at	gtt	tttgc	2460	
ttttcatctt	ctctggcgac	tttttctt	ct	ttt	tttgc	2520	
tccttcacat	cctgtgtt	tagggaaat	aa	aa	tttgc	2580	
gttgcata	agtgatgtt	tctctaa	actc	aa	tttgc	2640	
gcatcttact	gaaggtaaa	ttgaaaggca	tttct	tttgc	tttgc	2700	
aacatccaga	tacacccaaa	gtatcaggac	gagaat	tttgc	tttgc	2760	
ttaagcaaca	tctagcaaa	gttatc	gtt	tttgc	tttgc	2820	
gataaaatcag	tgggtat	ggaaactgt	tgac	tttgc	tttgc	2880	
aatttcttaca	tgtttctt	gttta	tttgc	tttgc	tttgc	2940	
gaaatagg	aaagcca	ttatata	tttgc	tttgc	tttgc	3000	
catggatctg	gtagggggaa	aatgtgtt	tttgc	tttgc	tttgc	3060	
gacaaagaca	aattctgtt	cttgaga	tttgc	tttgc	tttgc	3120	
aatgacacta	gctaata	atagaaggat	gtacattt	aaat	tttgc	3180	
atatccaa	ctgaata	at	tttgc	tttgc	tttgc	3240	

ctccccaaagg agttaggcta ttcacaacca ctcattcaaa agttgaaaatt aaccatagat	3300
gtagataaac tcagaaaattt aattcatgtt tcttaaatgg gctactttgt cctttttgtt	3360
attaggggtgg tatttagtct attagccaca aaatgggaa aggagtagaa aaagcagtaa	3420
ctgacaactt gaataataca ccagagataa tatgagaatc agatcatttc aaaactcatt	3480
tcctatgtaa ctgcattgag aactgcataat gtttcgctga tatatgtgtt tttcacattt	3540
gcgaaatgggtt ccatttctc tcctgtactt ttccagaca cttttttgag tggatgtat	3600
ttcgtgaagt atactgtatt ttacaccc ttccctta tcactgacac aaaaagtaga	3660
ttaagagatg ggtttgacaa gtttcttccc ttttacatac tgctgtctat gtggctgtat	3720
cttgggttttc cactactgct accacaacta tattatcatg caaatgcgtt attttttttt	3780
ggggagata aagatttctt gagtttgtt taaaattaa agctaaagta tctgtattgc	3840
ataaaatata atatcgacac agtgctttcc gtggcactgc atacaatctg aggccctc	3900
tctcagttt tatatagatg gcgagaacct aagttcagt tgattttaca attgaaatga	3960
ctaaaaaaca aagaagacaa cattaaaaac aatattgttt cta	4003

Homo sapiens mRNA; cDNA DKFZp564K2478 (from clone DKFZp564K2478); complete

agtcccacg tggactcag cagcgaggc tggacgcctt catggcgctt gagagattcc	60
atcgtgcctg gtcacataa gcgcctcctg gaagtgaagt cgtgcgttcc tgaacgcggg	120
ccaggcagct gcggcctggg gttttggag tgatcacgaa tgagoaaggc gtttgggctc	180
ctgaggcaaa tctgtcagtc catecctggct gactcctcgc agtccccggc agatcttcaa	240
aaaaagaagg aagaagacag caacatgaag agagagcagc ccagagagcg tcccaggggc	300
tgggactacc ctcatggct ggttggttt cacaacattt gacagacctg ctgccttaac	360
tccttgattc aggtgttctg aatgaatgtt gacttcacca ggatattgaa gaggatcacg	420
gtgcccgagg gagctgacga gcagaggaga agcgtccctt tccagatgtt tctgtgtctg	480
gagaagatgc aggacagccg gcagaaagca gtgcggccccc tggagctggc ctactgcctg	540
cagaagtgc acgtgcctt gtttgcctt catgtgctg cccaaactgta cctcaaactc	600
tggAACCTGA ttaaggacca gatcactgtt gtgcacttgg tggagagact gcaggccctg	660
tatacgatcc gggtaagga ctccttgatt tgcgttact gtgcctatggaa gatgtcaga	720
aacagcagca tgctcaccct cccacttttct cttttttagt tggactcaaa gcccctgaag	780
acactggagg acgcctgca ctgccttctt cagcccgagg agttatcaag caaaagcaag	840
tgcttctgtg agaactgtgg gaagaagacc cgtggaaac aggtttgaa gctgaccat	900
ttgccccaga ccctgacaat ccacccatg cgattctcca tcaggaattc acagacgaga	960
aagatctgcc actccctgtt cttccccccag agtttgatt tcagccagat ctttccaatg	1020
aagcgagagt ctgtgtatgc tgaggagcag tctggagggc agtatgagct ttttgcgtg	1080
attgcgcacg tggaaatggc agactccggc cattactgtt tctacatccg gaatgctgtg	1140
gatggaaaat gtttgcctt caatgactcc aatatttgc ttgtgtctg ggaagacatc	1200
cagtgtacct acggaaatcc taactaccac tggcaggaaa ctgcataatct tctggtttac	1260
atgaagatgg agtgctaattt gaaatgcctt aaacccatcag agattgacac gctgtcat	1320
tccatttccg ttccctggatc tacggagtct tctaagagat ttgcataatgaa ggagaagcat	1380
tgttttcaaa ctatataact gaggcttatt tataatttgg gatattatca aatatgtaa	1440
ccatgagggcc cctcagggtcc tgatcgtca gaatggatgc ttccaccatc agacccggcc	1500
atgtggctgc tcggctctgg gtgcgtcgtt ctgtgcataa cattagccct ttagttatga	1560
gcctgtggga acttcagggg ttccctgg ggagagcagt ggcagtggga ggcatactggg	1620
ggccaaaggt cagtggcagg ggttatttca gtattataca actgctgtga ccagacttgt	1680
atactggctg aatatcagtg ctgtttgtt ttttcttactt tgagaaccaa cattaattcc	1740
atatgaatca agtgtttgtt aactgttattt catttattca gcaaataattt attgtatcatc	1800
tcttctccat aagatagtgt gataaaacaca gtcataataa aagtttatttt ccacaaaaaaaa	1860
aaaaaaaaaaaa aaaa	1874

Homo sapiens cDNA FLJ20073 fis, clone COL02320.

aaaatttgaa	gacaagatgg	gcacctactc	tacaattctg	ataaaaacag	aggtcatcg	60
atgtggAAC	tactgtggAG	tacgcATCAT	tcactcttG	attgcAGAGT	tctcaCTGGA	120
agaATTGAAg	aaaAGCTATC	acCTGAATAA	aagtcaaATT	atgttggATA	tgctaACTGA	180
gaATTGTTc	ttcgataCTG	gtatGGAAA	aagtaAAATT	ttgcaAGATA	tgcacACACT	240
cctactcaca	agacaccGCG	atgaACATGA	aggtaAAACA	gGAAATTGGT	tttcccATT	300
tattGAAGCA	ttacataAAAG	atgaAGGAA	tgaAGCAGTT	gaAGCTGTAT	tgcttGAAAG	360
tatCCATCGG	ttcaACCCAA	atgcATTcat	ttgccaAGCG	ttgcaAGAC	atttctACAT	420
taaaaAGAGA	gactttGGCA	atgcTCTAA	ctggGCAAA	caAGCAAAAA	tcatAGAAC	480
tgacaATTCT	tataCTCAG	atacACTGGG	tcaAGTCTAC	aaaAGTAAAA	taAGATGGTG	540
gatAGAGGAA	aacGGAGGAA	acGGGAACAT	ttcAGTGTAT	gatctaATTG	ctctttGGA	600
tttagcAGAA	catGCCTCAA	gtgcATTCAA	agaatCTCAA	cagcaAGTG	aAGATAGAGA	660
gtatGAAGTG	aaggAAAGAT	tgtatCCGAA	gtcaAAAAGG	cggtatGATA	cttacaATAT	720
agctGGTTAT	caaggAGAGA	tagaAGTTGG	gtcttACACA	atccAAATTG	tccagCTCAT	780
tcctttttt	gataATAAAA	atgagCTATC	taaaAGATAAT	atggTCATT	ttgtatCAGG	840
aagttagtGAT	attccAGGGG	atccAAACAA	tgaatATAAA	ttagCCCTCA	aaaACTATAT	900
tccttATTTA	actAAATTGA	aatttCTTT	gaaaaAGTCC	tttgatTTTT	ttgatGAATA	960
ctttgtCCTG	ctaaaACCCA	ggaACAATAT	taagcaAAAT	gaAGAGGCCA	aaactCGGAG	1020
aaaggTGGCT	ggatATTTA	agaaATATGT	agatATATT	tgtctCTTAG	aagaATCACA	1080
aaacaACACA	ggTCCTGGAT	caaAGTTCA	tgagCCACTT	caAGTAGAGA	gatgcAGGAG	1140
aaacCTAGTA	gtttAAAGAG	cagacaAGTT	ttctGGGCTC	ttgGAATATC	ttatCAAAG	1200
tcaagAGGAT	gttATAAGCA	ctatGAAATG	tatgtGAAC	gaATATAACTT	ttctCTTAGA	1260
acaatGCACT	gtcaAAATCC	agtcaAAAGA	aaagCTAAAT	ticatCTTG	ccaacATTAT	1320
tctctCCTGT	atccAAACCTA	cctCCAGATT	agtaAAAGCA	gttGAAAAC	taaaAGATCA	1380
gcttcGAGAA	gtctTGCAAC	caatAGGACT	gacttATCAG	ttttcAGAAC	cgtatTTCT	1440
agcttCCCTC	ttattCTGTC	cagAAAATCA	acaACTAGAT	caacATTCTG	aacaAAATGAA	1500
agagtATGCT	caAGCACTAA	aaaATTCTTT	caaggGGCAA	tataAAACATA	tgcATCGTAC	1560
aaagcaACCA	attGCAATT	tcttCTTGG	aaaAGTAA	agactGGAAA	gacttGTTCA	1620
caaAGGAAAA	attGACCAGT	gtttAAGAA	gacACCAGAT	attaATTCT	tgtggCAGAG	1680
tggagatGTG	tggAGGAGG	aaaAGTCCA	agaACTTTG	tttcGTTTAC	aaggTCGAGC	1740
tgaaaACAAT	tgtttATATA	tagaATAATGG	aatcaATGAA	aaaATCACAA	tacCCATCAC	1800
tcccgtTTT	ttaggtcaAC	ttagaAGTGG	cagaAGCATA	gagaAGGTGT	ctttttACCT	1860
gggatttCCC	attggAGGCC	cactTGCTTA	tgacATTGAA	attgttTAAG	agcCTGATAT	1920
tcttcCTCCA	agaATTGAT	ctcAGTACCC	atTAATTT	tttgactca	agatCTATGC	1980
tttaaACCGG	caaggTTATA	gatacAGCCT	ctagCTCTC	agatCTGTAC	atgcAGTATT	2040
taatttCCTC	ttaaacATGT	tatgAGTTCT	acaAGGACAA	tagtAAAAAA	ggaAGGAGTG	2100
agatATATGA	aaAGTAGCAA	atATGTTCT	tggTTTGTGTT	aacatCATTG	atgacAAAAT	2160
aataAGGAGC	tatGACTGGA	gtcAGGAGAA	gttagtGTA	taagCTGGCT	acacAGAAACC	2220
ccactACTTA	ccaggCATGG	attGAAGAAG	attgtCTACT	caaATGGCAT	ttAGACATTA	2280
gaatgtCTGG	gaaaATATT	ctcaAAAGACA	gcaAAACCT	ctcaaACTGA	ggAGCAACAT	2340
tttattttac	taagcAGATC	atcaATGTAT	catgtGCTTG	gcactCAAGG	atcttCCAAA	2400
acaggAGGAC	aaccAGTCTT	ctgaaAGGTCA	tgcccACAGA	agtcATCGGA	ccttACAAA	2460
gtaggTTGGA	gaatttagatt	gcctttCAT	gcagtGAGAT	tcagtTAAGC	aaaaATGAAA	2520
tttgcTCTCA	tagCTAATTA	gcttTCAC	tcccCTCAA	acaAAACAAAT	aaaaaaaaaa	2580
catacAGACA	ctcaaATTCC	acaAGCTAT	gacatTTGTG	agaAGACTAA	2640	
tgagtCCCTC	atccAGAAGA	tgccaATGTA	ctggcAGATT	aacatACAAC	ctatGTTTG	2700
aacAAAAACA	accAGCGATA	cgtATCAA	atgtAAATT	cccTTAAATA	aattATGGAT	2760
atgggcAGTC	atcaATGGCT	gccAAAACCA	ttaAGTGTAA	agctGATTAA	aaaACAAAAA	2820
tttctaATGG	atttatCAA	ctgtCCAAA	tcctgataAA	tattaACATC	acAGAGGAAG	2880
accAGACATT	atggGCCTGG	aagtACTATA	ggagtGcaca	catcACCCGT	gacatGGTCT	2940
tgccAAATAA	ttaAACCTGA	atttgATCAG	gtctCTGTAT	tttattTGCA	attcaAAAGA	3000
aattttAAAA	aaATCCTACT	aacACCACCA	caaATATGCA	atcAGCAATA	tccAGAAAGG	3060
ggaaATTcAC	aggACAAAAAA	cctgtTTTC	ttttttGTT	tcttcaACCA	aaaaAGAAAAG	3120
aaattGCAAA	ggACCAAAAAA	aatGTTGGGG	aatCTATACA	ttataAGGGA	cttaACAACT	3180
aaaggGCAAC	atATAGACTT	tagATCCTAA	tttgAGCAAA	atctAAATC	aattATTAGG	3240
caatcAGAAA	aatttGAACA	cagACTAGAT	atttGAGGAT	attaAGGTAC	tatattATTG	3300

aagattccat ggtttatgttt tttaaagagt tcatgccttt tagagataca tactaaagta 3360
tttgtaaata aatgacatga tctagaaaaa aaaaaaaaaa a 3401

Homo sapiens cDNA FLJ10913 fis, clone OVARC1000209, weakly similar to Oryza sativa submergence induced protein 2A mRNA.

gagcgcggcc	cctgggttcg	aacacggcac	ccgcactgcg	cgtcatggtg	ctggccttgt	60
atatggacga	cgccccgggc	gaccgcggc	aaccccaccc	ccccgacccc	ggccgcccag	120
tgggccttgg	gcaagtgcgg	cggtctgggg	tgctctactg	gaagctggat	gctgacaat	180
atgagaatga	tccagaatta	gaaaagatcc	gaagagagag	gaactactcc	tggatggaca	240
tcataaccat	atgcaaagat	aaactaccaa	attatgaaga	aaagattaag	atgttctacg	300
aggagcattt	gcacttggac	gatgagatcc	gctacatcct	ggatggcagt	gggtacttcg	360
acgtgaggg	caaggaggac	cagtggatcc	ggatottcat	ggagaaggga	gacatggta	420
cgctccccc	ggggatctat	caccgcttca	cgtggacga	gaagaactac	acgaaggcca	480
tgcggctgtt	tgtgggagaa	ccgggtggaa	cagcgtacaa	ccggcccgct	gaccattttg	540
aagcccgccg	gcagtacgtg	aaatttctgg	cacagaccgc	ctagcagtgc	tgcctggaa	600
ctaacacgtg	cctcgtaaaag	gtccccatg	taatgactga	gcagaaaatc	aatcaatttc	660
tctttgc	tttaggatag	ccttgaggct	agattatctt	tccttgtaa	gattatttga	720
tcagaatatt	ttgtaatgaa	aggatctaga	aagcaacttg	gaagtgtaaa	gagtcacctt	780
cattttctgt	aactcaatca	agactgtgg	gtccatggcc	ctgtgttagt	tcatgcattc	840
agttgagtcc	caaataaag	tttcatctcc	cggaaatgcag	ttccttagat	gcccatctgg	900
acgtgatgcc	gcccctgccc	tgtaagaagg	tgcataatccta	gataaacacag	ctagccagat	960
agaagacact	tttttctcca	aaatgatgcc	ttgggggtggg	gagtggtagt	gggaagagct	1020
cccaccctaa	ggggcacaca	ctgagttgct	tatgccactt	ccttggtcaa	aataaaagtaa	1080
ctgccttaat	tttataactca	tggcttggag	ttaacttata	ttcaggtata	tgtgatattt	1140
tgcctggttt	gttaaaattt	ccccatttag	attccttcta	taattgttct	tatagataaag	1200
taatttatat	atgagctgt	tttagtatttt	tttcagtg	agatctctgg	attctttcac	1260
aataaagctg	ttgaatttta	acaggagat	tagtacataa	attttctact	caacaattcc	1320
gagataggat	tatgcctagt	ttgtcatatc	acagaaaaaaac	tccaagttaa	tttcatgttt	1380
ttgaaaggca	ggtcgttttt	aaagtattt	tttttttaac	tggataaaaa	atcttcatgt	1440
taggattaat	tttcttaatc	acccacac	tgtacagagg	aaactcaagc	cttaaatgtt	1500
taagtaaact	ctgtctcagt	tttaggatta	aaataccac	cggtgtgtg	atgatccat	1560
ataccgcagg	gcttgcttct	gtcaagtgtg	actctatctc	agtaattaaa	ataagtgc	1620
atctactg						1628

Homo sapiens interferon induced transmembrane protein 1 (9-27), mRNA (cDNA clone MGC:5195 IMAGE:3464598), complete cds.

aaacgacagg ggaaaggagg tctcaactgag caccgtccca gcatccggac accacagcg	60
cccttcgctc cacgcagaaa accacacttc tcaaacatcc actcaacact tccttccccca	120
aagccagaag atgcacaagg aggaacatga ggtggctgtg ctggggcac ccccccagcac	180
catccctcca aggtccaccc tgatcaacat ccacagcgag acctccgtgc ccgaccatgt	240
cgtctggtcc ctgttcaaca ccctcttctt gaactggtgc tgtctgggt tcatacgatt	300
cgcctactcc gtgaagtcta gggacaggaa gatggttggc gacgtgaccg gggccccaggc	360
ctatgcctcc accgccaagt gcctgaacat ctggggccctg attctgggca tcctcatgac	420
cattggattc atcctgttac tggatttcgg ctctgtgaca gtctaccata ttatgttaca	480
gataatacag gaaaaacggg gttacttagta gcggccata gcctgcaacc tttgcactcc	540
actgtgcaat gctggccctg cacgctgggg ctgttgcccc tgcccccttg gtcctgcccc	600
tagatacagc agtttataacc cacacacctg tctacagtgt cattcaataa agtgcacgtg	660
cttgtgaaaa aaaaaaaaaaaa aaa	683

Homo sapiens cDNA: FLJ22242 fis, clone HRC02528.

aactttaaa aactctcatt ggagtaagtc ttttcaagat gatcctccac aatggaggca	60
gcgttcctac ttgtcatcac acagctgaag acattgttc ttaggtgtga aatcggggac	120
aaaggacaaa cagagacaca cggcattgtt catgggaggc atcgtcaccc tcctgggtgt	180
tctgtggaa ttcctgtgt gaggaaaacg tggccacagg gttgtgtgt acccacccctt	240
ccccggcgag atggccctcg gcctgtgcg ctgcttcac cctcgccact ccatggcagc	300
ttttggtctg ttcoggcgc tgccctctgc cctgaactct catccggctt gtacctgcct	360
gctggacccc tccacctgga ggccagccca tgtctcaggc ccagccctag cctcttctcc	420
tcaaattcta agtgaaaaatctt ctttaggtttt ccctggctt gtgaatggat catgtgtctc	480
taggtataaa cctgacatca tcttccacc cggcttaccc ccacagatc tccccagttc	540
tgtctccatc ttctgcctgc agctgctctg ttctcatgtt cactgctgca tcactgagtc	600
tggacccttg ttatcatttt caaactggcc tccctccctc gttccccact tcttaaagtc	660
acctgtccat tgccaccaga ttaagcttcc tccagccaga tcacctctct ctgagaaacc	720
tccatggaca tggaaacacacc attgtctggc acacataactc acataccac ctccccgtct	780
tgatccccac acatctttcc agcctccctt cccactccac tcctgctct ctccctccacc	840
tccccatctt cttgtctccc ctccccctgtt aatccagccca agcggggctt ctccctgcctc	900
catcacatca cagaagtacc tcctgctctt ggttttaatt agagccttcc ccgattacat	960
tttccctctga attttttctt atctacatcc gatctgtcat gtttaaaccctt cctacttctt	1020
aggaaacctc tctaatctct tatcctcatc cccaaatagt gttttcttcc tctgggttct	1080
tataatgttg gtatcaatct cacagcatcc agtgcttctt gcctgggtgt acagttacct	1140
gtgtgcgtgtt gcaatttcttta atttccacg ctagactgtt agtttcttccaa ggcaagaatc	1200
atgccttcgtt gttttctgtt ttccatgg tgccaaacac agtgccttctt acattgcagg	1260
cgctgaataa acattttaa agcaaaaaaaa aaaaaaaaaaa	1300

ta77f02.x2 NCI_CGAP_HSC2 Homo sapiens cDNA clone IMAGE:2050107 3' similar
to gb:L19779 HISTONE H2A.1 (HUMAN);, mRNA sequence.

tataacggctg cgagaagacg acagaagggg cacctgtgaa ctcaaaaggc tcttttcaga	60
gccacccacg ttttcaaata aaagagttgt taatgctggc cactccaaa aaaaaaaaaa	120
aaaaaaaaaa agtcgtatcg a	141

H.sapiens centromere autoantigen C (CENPC) mRNA, complete cds.

cgatcgca	ctctcgccgc	agtcgcctga	gacttaagg	tattgcttgg	ccgcggcctg	60
gtattccggc	gatttgttcc	ttgcgtcggt	tcctggagct	gtggtccgtg	tggcttcca	120
cctcagacag	ttgcgtcggtc	tcagcggggc	cgaaacatgg	ctgcgtccgg	tctggatcat	180
ctcaaaaatg	gctacagaag	aagattttgt	cgaccttcca	gggcacgtga	cattaacaca	240
gagcaaggcc	agaatgttct	gaaaatctta	caagactgtt	ttgaaaaaaa	aagtcttgcc	300
aatgattttt	gtacaaaattc	tacaaaatca	gtgcctaatt	caacacgcaa	aataaaagac	360
acttgttattc	agtcaccaag	caaagagtgc	cagaaatcac	atccaaagtc	agttccagtt	420
tcttcaaaga	agaaagaagc	ctctctacag	tttggtag	aaccaagtga	agccacaaac	480
agatcagttc	aggccatga	agttcatcg	aaaattctgg	caactgtatgt	tagtccaaa	540
aatacacctg	actcgaaaaaa	aatatcaatg	agaaacataa	atgtatcatca	cagtgaagct	600
gatgaagaat	tttacttctc	cggtggctca	ccttctgttc	tttggatgc	aaaaacatct	660
gtatcacaaa	atgttattcc	atctagtggc	aaaaagagag	agacttacac	ttttggaaat	720
tcagtaataa	tgctgccttc	aagtacagag	gtttcagtt	aaaccaaaaaa	aagtttaaac	780
tttgcgtatgtt	aaagttatgtt	aaagaaaaata	gaaatagata	ataaaagtatc	agatgaagag	840
gataaaacat	cggaaggaca	agaaaagaaaa	ccatcaggat	catctcagaa	tagaatacga	900
gattcagaat	atgaaaattca	acgacaagct	aaaaaaagtt	tttcaacatt	gttttttagaa	960
acagtaaaac	gaaaaagtga	atccagtccc	atttttaggc	atgcggcaac	tgctccacct	1020
cattcgtgtc	ctccccatga	taacgtatgt	atagaggatg	aatttataat	tgatgagtcg	1080
gatcaaaatgtt	ttgcgcgtatgt	atcttggatt	acaataccaa	gaaaaggcagg	gtctctgaaa	1140
caacgcacaa	tatccccggc	tgagagcact	gcactcttcc	aaggtagaaa	gtcaagagaa	1200
aagcatcata	atataattacc	taagactttg	gcaaatgaca	aacattccca	taaacctcac	1260
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ctccggaaat	aggaaagtgtt	tcttcttttt	actcagatata	aaagatgaaa	gatcaaccaa	3000
ccttaaatat	atgtatgtat	atatgtatata	gtaaaaacag	tttgcgtatgtt	tggatataat	3060
gtctttgtttaa	ttacttgcgtt	ttttttttttt	aaaaatttt	attcgtttttt	gtgtaaaaaaa	3120
aaaaaaaaaa	aa					3132

Homo sapiens transcription factor ISGF-3 mRNA, complete cds.

attaaacctc	tcgcccagcc	cctccgcaga	ctctgcggcg	gaaagtttca	tttgctgtat	60
gccatcctcg	agagctgtct	aggtaaacgt	tcgcactctg	tgtatataac	ctcgacagtc	120
ttggcaccta	acgtgctgt	cgtagctgct	ccttgggtg	aatccccagg	cccttgggtg	180
ggcacaaggt	ggcaggatgt	ctcagtggta	cgaacttcag	cagottgact	caaaaattcct	240
ggagcaggtt	caccagctt	atgatgacag	tttccccatg	gaaatcagac	agtacccctggc	300
acagtggta	aaaaagcaag	actgggagca	cgctgccaat	gatgtttcat	ttgccaccat	360
ccgtttcat	gacccctgt	cacagctggta	tgatcaatat	agtcgtttt	cttggagaa	420
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atatccaaag	ctgaataacat	tctgtttca	tcttggtcac	atacaattat	ttttacagtt	3240
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tctcagtttt tatataatgtg gcgagaacctt aagtttcagt tgatttaca attgaaatga	3960
ctaaaaaaaca aagaagacaa cattaaaaac aatattgtt cta	4003

Homo sapiens ornithine decarboxylase (ODC1) mRNA, complete cds.

gaattcctgg	agagttgctt	ttgtgagaag	ctggaaatat	ttctttcaat	tccatctctt	60
agtttccat	aggaacatca	agaaaatcatg	aacaactttg	gtaatgaaga	gtttgactgc	120
cacttcctcg	atgaagggtt	tactgccaag	gacattctgg	accagaaaat	taatgaagtt	180
tcttcctctg	atgataagga	tgccttctat	gtggcagacc	tgggagacat	tctaaagaaa	240
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gttgggtgtca	gttccatgtt	aggaagcggc	tgtaccgatc	ctgagacett	cgtgcaggca	720
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ttgaaataat	taggc					1815

Homo sapiens hephaestin (HEPH) mRNA, complete cds.

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catgcagtcc	ttgtggcctc	aactgactga	tggagccact	cgagtctact	acctggccat	120
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gttagatgag	aacctcagct	ggcatctcaa	tgagaaacatt	gccacttaat	gctcagatcc	780
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gcacttgtt	ggcatggcca	atgaaattga	tgtccacaca	gcattttcc	atggacagat	960
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ccatgctggc	atggagaccc	tcttcactgt	tttttctcga	acagaacact	taagccctct	3240
caccgtcatc	accaaagaga	ctgaaaagc	agtccccccc	agagacattt	aagaaggcaaa	3300

tgtgaagatg	ctgggcattgc	agatccccat	aaagaatgtt	gagatgctgg	cctctgtttt	3360
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ccaacatcg	cagagaaagc	tacgaccaa	taggagggtcc	atcctggatg	acagcttcaa	3480
gcttctgtct	ttcaaacagt	aacatctgga	gcctggagat	atcctcagga	agcacatctg	3540
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ctgacacttg	gaaggtattt	aaatttctag	aatgtatcc	ttctcacaaa	gtagagacca	3840
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aacctctgga	gctagaagct	cctcaggaaa	gccagttctc	caagttctta	acctgtggca	4140
ctgaaaggaa	tgttgagtt	cctcttcatg	tttagacag	caaaccctat	ccattaaagt	4200
acttgttaga	acact					4215

Human 18S rRNA gene, complete.

ccgtccgtcc	gtcgctcc	tcgcttgcgg	ggcgccggc	ccgtcctcga	ccccnnnn	60
nccgtccggc	cgcgtcgggg	cctcgccgwg	ctctaccc	ctacctgggt	gatcctgcca	120
gtagcatatg	tttgtctcaa	agattaagcc	atgcatgtct	aagtagcaca	ggccgggtaca	180
gtgaaactgc	aatggctca	ttaaatcagt	tatggttcc	tttgtcgctc	gctccctccc	240
tacttgata	actgtggtaa	ttctagagct	aatacatgccc	gacggggcgct	gaccggcttc	300
gcggggggga	tgcgtgcatt	tatcagatca	aaaccaaccc	ggtcagcccc	tctccggccc	360
cggccggggg	gcggggcccg	gcggcttgg	tgactctaga	taacctcggg	ccgatcgcac	420
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gcccgtgccta	ccatgggtgac	cacgggtgac	ggggaaatcc	ggttcgattc	cggagaggga	540
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acccggggag	gtagtgcaca	aaaataacaa	tacaggactc	tttcgaggcc	ctgttaattgg	660
aatgagtcca	ctttaaatcc	ttaacgagg	atccatttgg	ggcaagtct	gtgtccagca	720
gcccggtaa	ttccagctcc	aatagcgtat	attaaaggta	ctgcagttaa	aaagctcgta	780
gttggatctt	gggagcgggc	gggcggctcg	ccgc当地	agccaccgc	cgtccccgccc	840
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ttactttgaa	aaaatttagag	tgttcaaagc	aggcccggac	cgccctggata	ccgcagctag	960
gaataatgga	ataggaccgc	ggttctattt	tgttggttt	cgaaactgag	gccatgatta	1020
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tcttagttgg	tggagcgtt	tgtctggta	attccgataa	cgaacgagac	tctggcatgc	1500
taacttagtt	cgc当地	gaggggtcg	cgtccccaa	cttcttagag	ggacaagtgg	1560
cgtttagcca	cccgagattg	agcaataaca	ggctgtgtat	gccc当地	gtccggggct	1620
gcacgcgc	tacactgact	ggctcagcgt	gtgc当地	tacccggca	ggcgc当地	1680
acccgttgaa	ccccattcg	gatggggatc	ggggatttca	attattcccc	atgaacgagg	1740
aattccccgt	aagtgcgggt	cataagcttg	cgttgattaa	gtccctgccc	tttgcacaca	1800
ccggccgtcg	ctactaccga	ttggatggtt	tagtgaggcc	ctcgatcg	ccccggccgg	1860
gtcgccccac	ggcctggcg	agcgtgaga	agacggtcga	acttgactat	ctagaggaag	1920
taaaagtct	aacaaggtt	ccgttaggt	acctgcgaa	ggatcatta		1969

Homo sapiens cell death regulator aven mRNA, complete cds.

gggcgtctcc	gcagctcgcc	tcccgcgcgc	tcagcaccac	cagcggcgcc	agatgcaggc	60
ggagcggagga	gctcggggag	gccgtggcg	gcggccaggc	cgccggccggc	ctggcgaggaa	120
tccgcacagc	gagcggcccg	gagccgcagc	ggcggtagcc	agaggcggcg	gcggaggcgg	180
cggcggggac	ggaggcggac	gccggggccg	tggccgtggc	cggggcttcc	gcggcgctcg	240
cggaggccga	ggaggaggag	gcgcggcccg	aggcagccgc	cgggagccgg	gaggctgggg	300
cgcagggcc	agcgcgcccgg	ttgaagatga	cagcgtatca	gagacctatg	gagaagagaa	360
tgatgaacag	gaaaattatt	ctaaaagaaa	gattgtctc	aactgggatc	gatataaaga	420
tattgaaaaaa	gaggtcaata	atgaaaagtgg	agagtcacag	agggaaacag	atttcagtgt	480
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ccagggtaca	gttcctttag	aggttcctca	ggtaaaacca	aagagaactg	atgatggcaa	720
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gactctggcc	tttgtttcta	gcctccctcc	ttgcagtgtt	tacaacatag	ccagtgttta	1440
cagcatagca	gatgctgtg	ctggtaaga	gaatagatgc	aaacaaggca	tgcatttggc	1500
caaaaataaac	aaatgctgg	ctgtccaaaa	aannaaaaaa	aaaaaaaaaa		1549

Homo sapiens interferon, gamma-inducible protein 16, mRNA (cDNA clone MGC:9466 IMAGE:3914632), complete cds.

gcagaatagg	agcaagccag	cactagttag	ctaaactaagt	gactcaacca	aggcctttt	60
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cggttccgtt	tctggaaact	ttactgattt	atctcccccc	tcacacaat	aagcattgt	180
tcctgcattt	ctgaagatct	caagatctgg	actactgttg	aaaaaaatttc	cagtggggct	240
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taactcctaa	aatcaatcag	ctttgctcac	aaactaaagg	aagttttgt	aatgggtgt	2160
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tgcatctaca	acttctataa	tttgaaaaaaa	taaataaaaca	ttatcttttt	tgtaaaaaaa	2700
aaaaaaaaaa						2709

Homo sapiens guanylate binding protein 1, interferon-inducible, 67kDa, mRNA
 (cDNA clone MGC:3949 IMAGE:3606865), complete cds.

ggagtcagtg	atttgaacga	agtactttca	gtttcatatt	actctaaatc	cattacaat	60
ctgcttagct	tctaaatatt	tcatcaatga	ggaatccca	gccctacaac	ttcggAACAG	120
tgaaatatta	gtccaggat	ccagttagag	acacagaagt	gctagaagcc	agtgcgtcg	180
aactaaggag	aaaaagaaca	gacaaggaa	cagctggac	atggcatcg	agatccacat	240
gacaggccc	atgtgcctca	ttgagaacac	taatggcga	ctgatggcga	atccagaagc	300
tctgaagatc	cttctgcca	ttacacagcc	tatgtgttg	gtggcaattt	tggcctcta	360
ccgcacaggc	aaatctacc	tgatgaacaa	gctggctgg	aagaaaaagg	gcttctct	420
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gtacaatagc	ataggaacca	tcaaccagca	ggctatggac	caactgtact	atgtgacaga	660
gtgcacat	agaatccat	aaaatccctc	acctgtatgg	aatgagaatg	agggtgagga	720
ttcagctgac	tttgtgagct	tcttcccaga	ctttgtgtgg	acactgtatgg	atttctccct	780
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ataacaccaa	aaatttataa	aggcatgtatgg	tacaatgtatgg	aaaatcatgt	tttttctttaa	2160
aaaaaaaaaaaa	aaaaaaa					2176

Homo sapiens interferon induced transmembrane protein 1 (9-27), mRNA (cDNA clone MGC:5195 IMAGE:3464598), complete cds.

aaacgacagg ggaaaggagg tctcaactgag caccgtccca gcacccggac accacagcg	60
cccttcgctc cacgcagaaa accacacttc tcaaaccctc actcaaacact tcctcccca	120
aagccagaag atgcacaagg aggaacatga ggtggctgtg ctggggcac cccccagcac	180
catccttcca aggtccaccg tgatcaacat ccacagcgag acctccgtgc ccgaccatgt	240
cgtctggtcc ctgttcaaca ccctcttctt gaactggtgc tgtctggct tcatacgatt	300
cgcctactcc gtgaagtcta gggacaggaa gatggttggc gacgtgaccg gggcccaggc	360
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actgtgcaat gctggccctg cacgctgggg ctgttgcccc tgccccctg gtctgcccc	600
tagatacagc agtttataacc cacacacctg tctacagtgt cattcaataa agtgcacgtg	660
cttgtgaaaa aaaaaaaaaaaa aaa	683

Homo sapiens transcription factor ISGF-3 mRNA, complete cds.

ataaaaccc	tgcggagcc	cctccgaga	ctctgcgcg	gaaagttca	tttgctgtat	60
gccccctcg	agagctgtct	aggtaaacgt	tcgcactctg	tgtatataac	ctcgacagtc	120
ttggcaccta	acgtgctgt	cgtagctgt	ccttgggtt	aatccccagg	cccttgttgg	180
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gcagcttaaa	aagtggagg	aattggaaaca	gaaatacacc	tacgaacatcg	accctatcac	1080
aaaaaaacaaa	caagtgttat	gggaccgcac	ttcagtctt	ttccagcgc	tcattcagag	1140
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ctaaaaaaca aagaagacaa	cattaaaaac aatattgttt	cta	4003

Homo sapiens phospholipid scramblase 1, mRNA (cDNA clone IMAGE:4253596), complete cds.

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gcccaagctgg ctttccgtc	ccaaatcagc cagtgtataa	tcagccatgtataatcagc	360
cagttggagc tgcagggtt	ccatggatgc cagcgccaca	gcctccatta aactgtccac	420
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aaa			1143

Homo sapiens metalloprotease disintegrin cysteine-rich protein, secreted form mRNA, complete cds.

gcgagaagag cagacaccgt	gctcctggaa tcacccagca	tgttgcaagg tctcctgcca	60
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caaggacata ttcttaatga	aaaggTTTCT gacgctagca	tcagcacatg taggggtcta	420
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tactgtggga tgggacagaa	ataaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa		2087

Homo sapiens matrix metalloproteinase 7 (matrilysin, uterine), mRNA (cDNA clone MGC:3913 IMAGE:3545760), complete cds.

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Homo sapiens cDNA FLJ10650 fis, clone NT2RP2005853

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Homo sapiens transcription factor ISGF-3 mRNA, complete cds

ataaaaccc	tcgcccagcc	cctccgcaga	ctctgcgcgg	gaaagtttca	tttgctgtat	60
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gaaatagtt	aaagccaat	tttatataca	ttatatacg	ccttttccaa	aggttagccat	3000
catggatct	gtagggggaa	aatgtgtt	tttacatc	tttcacattt	gctattttaa	3060
gacaaagaca	aattctgtt	tttgagaaga	gaatattagc	tttactgttt	gttatggctt	3120
aatgacacta	gctaataatca	atagaaggat	gtacatttcc	aaattcaca	tttgcgttt	3180
atatccaa	ctgaatacat	tctgcttca	tcttggtcac	atacaattat	tttacatgt	3240
ctcccaagg	agttaggct	ttcacaacca	ctcattcaaa	agttgaaatt	aaccatagat	3300

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attagggtgg tathtagtct attagccaca aaattggaa aggagtagaa aaagcagtaa	3420
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tcttatgtaa ctgcatttag aactgcataat gttcgctga tatatgtgtt tttcacattt	3540
gccaatgggtt ccattctctc tcctgtactt ttccagaca ctttttgag tggatgtgt	3600
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ttaagagatg ggtttgacaa ggttcttccc ttttacatac tgctgtctat gtggctgtat	3720
cttgttttc cactactgct accacaacta tattatcatg caaatgctgt attttttttt	3780
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attaaatata atatcgacac agtgctttcc gtggcactgc atacaatctg aggccctcctc	3900
tctcagttt tatatagatg gcgagaacct aagttcagt tgattttaca attgaaatga	3960
ctaaaaaaca aagaagacaa cattaaaaac aatattgttt cta	4003

Homo sapiens RNA helicase (RIG-I) mRNA, complete cds.

tagttattaa	agttcctatg	cagctccgcc	tccgtccggc	ctcatttcct	caaaaaatcc	60
ctgccttccc	cgctcgccac	gccctcctgc	taccggcgtt	taaagctagt	gaggcacagc	120
ctgcggggaa	cgtagcttagc	tgcaagcaga	ggccggcatg	accaccgagc	agcgacgcag	180
cctgcaagcc	ttccaggatt	atatccgaa	gaccctggac	cctacctaca	tcctgagcta	240
catggcccc	tggtttaggg	aggaagaggt	gcagtatatt	caggctgaga	aaaacaacaa	300
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gatggcaggt	gcagagaaat	tggtggaaatg	ccttctcaga	tcagacaagg	aaaactggcc	660
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tcagacatgg	gacgaaggcag	tatTTAGGGA	aaagattctg	catatacaga	ctcatgaaaa	2520
attcatcaga	gatagtcaag	aaaaacaaa	acctgtccct	gataagaaaa	ataaaaaaact	2580
gctctgcaga	aagtgc当地	ccttggcatg	ttacacagct	gacgttaagag	tgatagagga	2640
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caagccaaag	cagtttcaa	gttttggaaa	aaagacaaag	atattctgt	cccgacagaa	2760
ctgcagccat	gactggggaa	tccatgtgaa	gtacaagaca	tttgagattt	cagttataaa	2820
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gaaggacttt	cattttgaga	agataccatt	tgatccagca	gaaatgttca	aatgatata	2940
gttcctcaat	cttcagctac	agggaaatgag	taacttttgag	tggagaagaa	acaaacata	3000
tgggtataat	catggatcgc	ttgtacccct	gtgaaaat	atttttttaaa	aataaaaaaaa	3060
aaaaaa						3065

Homo sapiens melanoma differentiation associated protein-5 (MDA5) mRNA,
complete cds.

gcgcgcggc	ctgagagccc	tgtggacaac	ctcgtcattg	tcaggcacag	agcggttagac	60
cctgcttctc	taagtggca	goggacagcg	gcacgcacat	ttcacctgtc	ccgcagacaa	120
cagcaccatc	tgcttggag	aacccttcc	tttctctgag	aaagaaaatg	gtcgaaatgg	180
tattccacag	acgagaattt	ccgctatctc	atctcggtct	tcaggcccag	gttgaaaatg	240
tacatccagg	tggagctgt	gttggactac	ctgacccccc	tgctcgaga	gttgaaggag	300
cagattcaga	ggacagtcgc	caccccccgg	aacatgcagg	cagttaact	gtcgctgagc	360
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ccatcgttt	agaacgctca	tgtatgaat	ctccaactgc	tgaaccttct	tcaagcccact	540
ctgggtggaca	agcttctagt	tagagacgtc	ttggataagt	gcatggagga	ggaactgttg	600
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gatcaacttag	acaagaagaa	aaaagcatct	gagccctgg	aagttatagt	tcttgc当地	1260
aaggtaactgc	tagttgaaca	gcttccgc	aaggagttcc	aaccatttt	gaagaaaatgg	1320
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tgtcaaatga	gtccaatgtc	agattttgg	actcaaccct	atgaacaatg	ggccattcaa	1920
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catcttggaa	ctttctataa	tgaagagaaa	gataagaatgt	ttgc当地	agaagatgt	2100
agtgc当地	gtgggtatga	tgagtattt	gatgggtatg	aagatgagga	tgat	2160
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						3120
						3180
						3240

gattagcact tgattgaaga ttctttaaa atactatcg ttaaacattt aatatgatta	3300
tgattaatgt attcattatg ctacagaact gacataagaa tcaataaaaat gattgttta	3360
ctctgaaaaa aaaaaaaaaaa	3380

Homo sapiens signal transducer and activator of transcription 1, 91kDa, transcript variant beta, mRNA (cDNA clone MGC:3493 IMAGE:3627218), complete cds.

tcgctttcct	gcgcaagagtc	tgccggagggg	ctcggtgcac	ccggggggat	cgcgccctggc	60
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ccgccttagcc	cttccggatc	ctgcgcgcag	aaaagttca	tttgcgttat	gccatcctcg	180
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ctacagcata	acataaggaa	aagcaagcgt	aattttcagg	ataatttca	ggaagaccca	600
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Homo sapiens cDNA: FLJ21350 fis, clone COL02751.

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ggaggataat tggatgaagg attattttct tctttgttta tgtgcaagaa atgaaaataa	120
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ctccatctca aaaaaaaaaaa aaaaa	1765

Homo sapiens IFI16b (IFI16b) mRNA, complete cds.

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ggatttagagg	tcatcaatga	ttatcatttt	agaatggta	agtccttact	gagcaacgat	360
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gccataaaaa	gcctctattc	tctgctcttg	ggcagggtgt	aaagaaaacct	accaaattaa	3300
tcagatttt	ctgtatccag	gctccttaaa	aaatcccagc	tgtgctgatg	tggaaacagg	3360
aagaattagg	aaagtaatca	attttttgc	ctagaaaaaa	tccagcagac	aaagaacttc	3420
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gcatattttg	catctacaac	ttctataatt	tgaaaaata	aataaacatt	atctttttg	4140
tgaaaaaaaaa	a					4151

Homo sapiens mRNA for STAT induced STAT inhibitor-2, complete cds.

gggcggccac ctgtctttgc cgcggtgacc cttcttcat gaccctgcgg tgccttgagc	60
cctccggaa tggcggggaa gggacgcgga gccagtgggg gaccgcgggg tcggcggagg	120
agccatcccc gcaggcggcg cgtctggcg aggccctgcg ggagctcggt cagacaggat	180
ggtactgggg aagtatgact gttaatgaag ccaaagagaa attaaaagag gcaccagaag	240
gaactttctt gattagagat agctcgatt cagactaccc actaacaata tctgttaaaa	300
catcagctgg accaactaat cttegaatcg aataccaaga cggaaaattc agattggact	360
ctatcatatg tgtcaaattc aagcttaaac aatttgacag tgtggttcat ctgatcgact	420
actatgttca gatgtgcaag gataagcgga caggtccaga agccccccgg aacggcactg	480
ttcacctta tctgaccaaa ccgcttaca cgtcagcacc atctctgcag catctctgt	540
ggctcaccat taacaaatgt accggtgcca tctggggact gcctttacca acaagactaa	600
aagattactt ggaagaatat aaattccagg tataaatgtt tctcttttt taaacatgtc	660
tcacatagag tatctccgaa tgcagctatg taaaagagaa ccaa	704

attagggtgg tatttagtct attagccaca aaattggaa aggagtagaa aaagcagtaa	3420
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ttaagagatg ggtttgacaa ggttcttccc ttttacatac tgctgtctat gtggctgttat	3720
cttgttttc cactactgct accacaacta tattatcatg caaatgtgtt attcttcttt	3780
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attaaatata atatcgacac agtgcttcc gtggcactgc atacaatctg aggccctcctc	3900
tctcagttt tatatacatg gcgagaacct aagtttcagt tgattttaca attgaaatga	3960
ctaaaaaaaca aagaagacaa cattaaaaac aatattgttt cta	4003

Homo sapiens pancreas sodium bicarbonate cotransporter mRNA, complete cds.

gcggcggcgg	ccgcgggtggc	agcgaaggcg	gcggcggcgg	cggcagtggc	agtggccgct	60
gcagccccac	actccgcccgc	caaactggag	gagcgcacgga	agccagacccc	caggaggatg	120
gaggatgaag	ctgtcctgga	cagaggggct	tccttcctca	agcatgtgt	tgtatgaagaa	180
gaagtagaaag	gccaccatac	catttacatc	ggagtccatg	tgccgaagag	ttacaggaga	240
aggagacgtc	acaagagaaa	gacagggcac	aaagaaaaga	aggaaaagga	gagaatctct	300
gagaactact	ctgacaaatc	agatattgaa	aatgtctgt	aatccagcag	cagcatctta	360
aaacacctca	tcttcctgc	tgcagaacgc	atccgattca	tcttgggaga	ggaggatgac	420
agcccagctc	ccccctcagct	cttcacgaa	ctggatgagc	tgctggccgt	ggatgggcag	480
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AATGTATACT AAAAATACAT TTAAATGTT AAAATTATAA TTTCAGATTc ATATAACCAC	5220
AACTGTGATA TATCCTAACt ATAACCAGTT GTTGGGGGT ATACTAGAAG CAGAATGAAA	5280
CCACATTTC TGGTTGATA ATATGCACT ATTGACTCCC AC	5322

Homo sapiens interferon stimulated T-cell alpha chemoattractant precursor,
mRNA, complete cds.

CTCCTTCCAA GAAGAGCAGC AAAGCTGAAG TAGCAGCAAC AGCACCAGCA GCAACAGCAA	60
AAAACAAACA TGAGTGTGAA GGGCATGGCT ATAGCCTTGG CTGTGATATT GTGTGCTACA	120
GTGTTCAAG GCTTCCCCAT GTTCAAAAGA GGACGCTGTC TTTGCA TAGG CCCTGGGTA	180
AAAGCAGTGA AAGTGGCAGA TATTGAGAAA GCCTCCATAA TGTACCCAAg TAACAACTGT	240

gacaaaatag aagtgattat taccctgaaa gaaaataaaag gacaacgatg cctaaatccc	300
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caaaacatat gaagtcctgg aaaagggcat ctgaaaaacc tagaacaagt ttaactgtga	420
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aaaaaatgtt gaaaaataag caaatgtata cctagcaatc acttttactt tttgtatcc	1320
tgtcttttag aaaaatacat aatctaataca aaaaaaaaaa aaaaaaaaaa a	1371

Homo sapiens mRNA; cDNA DKFZp586J0323 (from clone DKFZp586J0323)

gtttggaagt	gatagcaa	aaat	aaaagccacc	ttgaactggg	tctgatgcag	catttttacc	60
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tgttttacc	agtttaactat	caacataaa	at	ttcattata	atattgtatg	ttcagtgttc	180
caaaaaactg	gtcctaccaa	catagttgg	aatgactcca	ttataagatg	gtgactgcct	240	
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<i>Homo sapiens</i> cDNA FLJ20637 fis, clone KAT03212.	
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Homo sapiens sodium bicarbonate cotransporter (HNBC1) mRNA, complete cds.

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Human BRCA1-associated RING domain protein (BARD1) mRNA, complete cds.

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aaaagcatgt	ctacgaagaa	aagtatgtga	acaggaagaa	aagtatgaaa	ttccctgaagg	2040
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cttctatttt	ttggggAACCT	tcaaaccacca	tccaaaggac	aactttatta	agctcgctac	2160
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tatcatctat	gaagatttgt	gtatttatca	cccagagagg	tttcggcagg	gcaaagtctg	2340
gaaggctcct	tcgagctgg	ttatagactg	tgtgtatgtcc	tttgagttgc	ttccctcttga	2400
cagctgaata	ttataccaga	tgaacatttc	aaattgaatt	tgcacggttt	gtgagagccc	2460
agtatttgc	ctgttttaa	tgttcacatt	tttacaaata	ggttaggtca	ttcatatttg	2520
tctttgaatc						2530

Human 18S rRNA gene, complete.

ccgtccgtcc	gtcgctcctcc	tcgcttgcgg	ggcgccgggc	ccgtcctcga	cccccnnnn	60
nccgccggc	cgcgtcgggg	cctcgccgcg	ctctacctac	ctacctggtt	gatcctgcca	120
gtagcatatg	tttgtctcaa	agattaagcc	atgcatgtct	aagtacgcac	ggccgggtaca	180
tgaaactgc	aatggctca	ttaaatcagt	tatggttct	ttggtcgctc	gtctctctcc	240
tacttggata	actgtggtaa	ttcttagagct	aatacatgcç	gacggggcgct	gacccccttc	300
gcggggggga	tgcgtgcatt	tatcagatca	aaaccaaccc	ggtcagcccc	tctccggccc	360
cggccggggg	gcgggcccgcg	gcccgttgg	tgactctaga	taacctcggg	ccgatcgac	420
cccccccg	gcggcgacga	cccatcgaa	cgtctccct	atcaactttc	gatggtagtc	480
gccgtgccta	ccatggtgac	cacgggtgac	gggaatcag	ggttcgattc	cgagagaggga	540
gcctgagaaa	cggctaccac	atccaagaa	ggcagcaggc	gcfgaaatta	cccaactcccg	600
acccggggag	gtagtgacca	aaaataacaa	tacaggactc	tttcgaggcc	ctgttaattgg	660
aatgatgtcca	ctttaaatcc	tttaaacgagg	atccattgga	gggcaagtct	ggtgccagca	720
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gtcgccccac	ggcctggcgg	agcgctgaga	agacggtcga	acttgactat	ctagaggaag	1920
taaaagtctgt	aacaaggttt	ccgttaggtga	acctgcggaa	ggatcattha		1969

Human mRNA for 56-kDa protein induced by interferon

ccagatctca	gaggagccctg	gctaagcaaa	accctgcaga	acggctgcct	aatttacagc	60
aaccatgagt	acaaaatggtg	atgatcatca	ggtaaaggat	agtctggagc	aatttgcgtt	120
tcactttaca	tgggagttat	ccattgtatga	cgtatgaaatg	cctgatattag	aaaacagagt	180
cttggatcat	attgaattcc	tagacaccaa	atacagtgtg	ggaatacaca	acctactagc	240
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aaacttaatg	caggaagaac	atgacaacca	agcaaatgtg	aggagtctgg	tgaccctgggg	360
caactttgcc	tggatgtatt	accacatggg	cagactggca	gaagcccaga	cttacctgg	420
caaggtggag	aacatttgca	agaagcttc	aaatcccttc	cgtatagaa	tggagtgtcc	480
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ggccaaggcc	tgctttgaaa	aggtgttga	agtggaccc	gaaaacccctg	aatccagcgc	600
tgggtatgcg	atctctgcct	atcgccctgg	tggctttaaa	ttagccacaa	aaaatcacaa	660
gccatttct	ttgtttcccc	taaggcaggc	tgtccgccta	aatccagaca	atggatatat	720
taaggttctc	cttgcctctg	agcttcagg	tgaaggacag	gaagctgaag	gagaaaagta	780
cattgaagaa	gtcttagcca	acatgtcctc	acagacctat	gtcttcgtat	atgcagccaa	840
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catacatttc	tactatggtc	ggtttcagga	atttcaaaaag	aaatctgacg	tcaatgcacat	1260
tatccattat	ttaaaagcta	taaaaaataga	acaggcatca	ttaacaagg	ataaaaagtat	1320
caattctttg	aagaaaattgg	ttttaaggaa	acttcggaga	aaggcattag	atctggaaag	1380
cttgagccctc	cttggggttcg	tctacaaatt	ggaaggaaat	atgaatgaag	ccctggagta	1440
ctatgagccgg	gccctgagac	tggctgctga	cttggagaac	tctgtgagac	aaggtcctta	1500
ggcacccaga	tatcagccac	tttcacattt	catttcattt	tatgctaaca	tttactaatac	1560
atctttctg	cttactgttt	tcagaaacat	tataattcac	tgtatgatg	taattcttga	1620
ataataaaatc	tgacaaaata	tt				1642

qx82h04.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2009047 3', mRNA sequence.

gcagctaaat taaaatgacc	ttttatttgc	ctggacaaca	aaaatttcc	atgatttg	60
tttttgaaa caatgataag	aaattttttt	ttaggcaata	agatactaag	ttgtatcaac	120
aaactgcatt	ggatatttcc	acaaggagag	gattttgttc	cctgatctag	180
attttccctt	atgcttgctt	tctctgagct	gactcttctt	aaactgacct	240
ctatttcaac	tgactcagag	ttcattcaaa	aatatgatat	ggtgacttgg	300
atgaaatcca	ggcactctt	ctactcttgc	tcacatttctt	cctgccccaa	360
tgatttttagg	atatcttatg	ccaacccagt	gtgccgtcac	ttctcagaga	420

Human interferon-induced cellular resistance mediator protein (MxA) mRNA,
complete cds.

ggaattctgt	ggccatactg	cgaggagatc	ggttccgggt	cggaggctac	aggaagactc	60
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gaagaagaaa	agaagaagaa	atcctggat	tttgggctt	tccaatccag	ctcgccaaca	1920
gactcttcca	tggaggagat	cttcagcac	ctgatggct	atcaccagga	ggccagcaag	1980
cgcacatctcca	gccacatccc	tttgatcatc	cagttctca	tgctccagac	gtacggccag	2040
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aacatcacag	cttatttcct	cattttata	atgtcccttc	acaaacccag	tgttttagga	2580
gcatgagtgc	cgtgtgtgt	cgtcctgtcg	gagccctgtc	tctctctctg	taataaactc	2640
atttctagca	g					2651

Homo sapiens cDNA: FLJ21726 fis, clone COLF1088.

agtgcatgga	gacgagaggt	gtttctaaag	atgggagaaa	tgacagcgtg	catgtgtgcc	60
gatgggagtc	accataga	gaaggaagaa	agcagtgaca	gaggagagga	ctgctccttg	120
tcccttagta	gttggccaag	ggagagacct	cctgcacaaa	tggagggtt	ggcctcacgc	180
agaaaagaagc	adacttggtt	catcccggc	agcaggaggg	aaggcgtggg	tgtagggAAC	240
agggcgtgtg	gagggatct	tttgggtgct	cttattttct	cagtgaardata	caggacgcaa	300
gagcagcagt	ggacggtag	aatggggatg	ttcccatccaa	gctttcaggg	tcccatgtga	360
tagtgcggcg	tggctggct	gtgttctggg	gacagtcaact	ggccacatgc	actgcaggc	420
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cctttttttt	aattataaaa	atgggctcg	gctaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1859

xw86e11.x1 NCI_CGAP_Pan1 Homo sapiens cDNA clone IMAGE:2834924 3', mRNA sequence.

ttataagaaa	tttatttttt	cacagataca	gaacataaaat	ccaagaaaaa	ttattattat	60
ttttcacaat	tatgactaaa	tcatgttatt	tctagttatt	tacaagtact	acaatgttct	120
atgcatttct	tcatcctaga	cattaataaa	acacatccct	ttggtcttag	atacttctct	180
ttggtctgtg	tttttcctt	tctgaatttt	aatcttctgt	gatgtgagga	aatttacgtg	240
aacccttcac	atatctattt	ttttcctgt	gcacagttga	taatttcctc	ccttagattc	300
cctgagaaaa	gaaacacaaa	atattcttag	tggattatct	cagggaaaggc	aaccagaggg	360
aagaggaata	ttggaccact	gaaaatctca	accaacgcta	atattaggag	cacacgtacc	420
atgaggaaga	gaagggatgg	ggaaaccaag	atggcagagt	tagagcaaca	aagtttagtaa	480
catgagagtt	tcccagcaat	ttgagtaaga				510

Human 71 kDa 2'5' oligoadenylate synthetase (p69 2-5A synthetase) mRNA,
complete cds.

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aaacccaata	ccaccttgg	aagtgcggac	aatgcagaca	ccaggaagtt	gtggagctag	2100
gatccatcct	attgtcaatg	agatgttctc	atccagaagc	catagaatcc	tgaataataa	2160
ttctaaaaga	aacttctgga	gatcatctgg	caatcgctt	taaagactcg	gctcaccgtg	2220
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tcttggactt	cttggaaatca	atcaagactg	caaaccctt	cataaaagctg	ccttgcgtaa	2340
etcctcttg	caggagccct	gcttaaaata	gttgcgtca	tcactttatg	tgcatcttat	2400
ttctgtcaac	ttgtatTTT	ttttcttgc	tttttccaaat	tagtcctcc	ttttcccttc	2460
cagtctaaa	aaggaatcc	ctgtgtctt	aaagcaaagc	tctttacttt	cccccgggtt	2520
ctcataactc	tgtgatctt	ctctcggtgc	ttccaactca	tccacgttct	gtctgtttcc	2580
tctgtataca	aaaccctttc	tgccccgtct	gacacagaca	tcctctatgc	cagcagccag	2640
gccaaccctt	tcattagaac	ttcaagctt	ccaaaggctc	agattataac	tgttgtcata	2700
tttatatgag	gttgggtgtt	tttcttctgt	agcctgcctt	tatcccccca	cccaggagta	2760
tccttcttgc	aaagcaaaag	actttttctt	tggctttagc	cttaaagata	cttgaagggtc	2820
taggtgttt	aacctcacat	accctactt	aaacttttat	cactgttgca	tataccagtt	2880
gtgataacaat	aaagaatgt	tctgg				2905

Homo sapiens cDNA FLJ20035 fis, clone COL00213.

aatctgtgg	ttttgc	caa	aactcagtct	atctggatgc	gttgaattat	agacagatgt	60
ctggccgtgc	tggaagaaga	gg	tcagaaggacc	tgtatggaga	tgtatatttc	tttgatattc	120
cattccccaa	aataggaaaa	ctcataaaat	ccaatgttcc	tgagctgaga	ggacacttcc		180
ctctcagcat	aaccctggtc	ctgcgactca	tgctgctggc	ttccaaggga	gatgaccagg		240
aggatgccaa	ggcaaaagggt	ctatcagtgc	taaagcattc	attgctgtcc	ttcaagcaac		300
ccagagtcat	ggacatgtt	aaactttact	tcctgtttc	tttgcagttc	ctgggtgaaag		360
agggctattt	agatcaagaa	ggttaatccta	tggggtttgc	tggacttgt	tcacatttg		420
attatcatga	accttcta	cttgtttttgc	tgagtttttgc	tgtaaatggc	ctcttccatg		480
atctctgtca	gccaaccagg	aaaggctcaa	aacatttttc	tcaagacgtt	atggaaaagc		540
tagtatttagt	attggcacat	ctctttggaa	gaagatattt	tccaccaaag	ttccaggatg		600
cacacttcga	gttttatcaa	tcaaagggt	tccttgcatt	tctccctgag	gattttagt		660
atgctttaga	tgaatataac	atgaaaatta	tggaggactt	taccacttcc	ctacgaattt		720
tttccaaact	ggctgatatg	aatcaggaat	atcaactccc	attgtcaaaa	atcaaattca		780
caggtaaaaga	atgtgaagac	tctcaactcg	tatctcattt	gatgagctgc	aaggaaggaa		840
gagtagcaat	ttcaccattt	gttgcgtgt	ctggaaactt	tgtatgtat	ttgcttcgac		900
tagaaactcc	aaaccatgtt	actctagca	caatcggtgt	caatcgctct	caggctccag		960
tgctgttgc	acagaaaattt	gataaccgg	gaaggaaaat	gtcgcttaat	gcctatgcac		1020
tggatttcta	caaacatgg	tccttgatag	gattagtcca	ggataacagg	atgaatgaag		1080
gagatgcta	ttattttgtt	aaggattttg	cactcaccat	taaatctatc	agtgtttcct		1140
tgcgtgagct	atgtgaaaat	gaagacgaca	acgttgcattt	agccttgaa	caactgagta		1200
caacttttg	ggaaaagttt	aacaaagtct	aaaaacaaaag	tctatgcaaa	ccactcaaaa		1260
ataattccat	agtagttttt	caggtcacgt	ttttgatttc	tatgcttc	gccagaaaata		1320
cattatgata	aagtggaaat	acattacat	gaagtggaaa	gagcaaacac	tttggaatca		1380
aacagagttt	caatcaaacc	tgccatgtt	tgtcatgaat	actcacaat	tattttagt		1440
acctgaatct	tggtttctt	ttataactga	gtaataatgg	ttacatctca	ggtagtttga		1500
ggatttgacta	aaaaaaatgcg	agaatgtgt	atgtgactga	ataacaattt	ttactctgcg		1560
aagccaaagt	aaatataata	ttatcagtaa	cttatacccc	agtgtcagta	tttataaaaat		1620
gtttataaag	gctgaaaaaa	atgaatacaa	tatcctgaag	gtgaaatata	ttctcttcaa		1680
ttagcataaa	tatgattttac	ataagtttgc	tatacagcta	ttgagatgt	actttcttagt		1740
aaacttaaac	tactttttaa	acatacattt	tgtgttgatt	taacaaaaat	atagagaatg		1800
atttgcttta	ttgttaattgt	atataaagtga	ctgaaaaagc	acaaagaaaat	aaagtgggtt		1860
cgatctgttt	accaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaa			1906

Homo sapiens monocarboxylate transporter 2 (hMCT2) mRNA, complete cds.

ggaaacttct	gcctcagggtg	gggagaggag	tccatagatc	agggaaacctt	atgtcttggt	60
gaaaatggaa	accatgtttc	taaacacactg	tcgccagggt	acttgaattt	ccactagagg	120
agcagaaaatg	ccaccaatgc	caagtcccc	acctgtgcat	ccacccctcg	atggaggatg	180
gggttggatt	gtgttggag	cagctttat	ctccatttgg	ttttctatg	cattccccaa	240
agctgtcacc	gtattcttca	aagaaattca	gcaaataattc	cacactacct	acagtgaard	300
agcatggatt	tcatccatta	tgctggctgt	tatgtacgca	ggaggctctg	taagttagtgt	360
tttggtaat	aaatacggca	gccggccgg	ggtgatagca	ggaggcttat	tatgtctgtct	420
tggaaatgtg	ttggccttct	ttagtagcag	cgtggtagac	ctgtaccta	ctatgggatt	480
cattacaggt	tttaggttag	ccttcaacct	gcaacccgc	ttaaccataa	ttggcaaata	540
cttctatagg	aagcgaccca	tggcaaatgg	attggccatg	gcaggaagtc	ctgttttctt	600
aagttcattt	gctcccttca	atcagtagct	tttaataact	tttggctgga	aaggaagctt	660
cctgattttt	ggaagtctac	ttttgaatgc	ctgtgtggct	ggttccctca	tgagacccct	720
tggacccaaat	caaaccactt	ctaagctaa	aaataaagact	ggcaaaacag	aagatgatc	780
aagccaaatg	aaaatcaaaa	cgaagaaatc	aacttggaa	aaagttataa	agtatttaga	840
tttctccctt	ttaaggcata	gaggatttct	gatatatctg	tctggaaatg	tcatatgtt	900
ccttaggttt	tttgccttca	ttatattctt	ggctccatat	gctaaagacc	aaggaattga	960
tgagtagctg	gcagctttt	tgctatctgt	tatggcttgc	gttgatatgt	ttgttagggc	1020
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ttttgcaatc	atgttcaatg	gagtgtgtca	cctcttgc	ccactggcac	aggactacac	1140
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ctttgaaact	ctcatggacc	tcgtgggtgc	accaagattt	tccagtgcgg	tcggacttgt	1260
cacaatttgc	gagtgtggcc	cagttcttct	tggcccttct	tttgcaggta	aattgggtgga	1320
tttaacttgg	gaatataaat	acatgtatc	gtcctgtgg	gttattgtgg	tagcagcaag	1380
cgtgtggctg	ctcatttggca	atgtatcaa	ctatagattt	tttgcggatgg	aaaggaaggaa	1440
ggaaaatgca	aggcagaagt	ccagagaatc	tgaacccttgc	agcaaatcta	aacattcgaa	1500
agatgttaac	gtcaaagttt	caaattgcaca	gagtgttacc	tcaaaaaagag	aaactaataat	1560
ttaacaagaa	tcacatctt	gatttctgt	ttttagactt	tatctaggag	tttgcggatgg	1620
attttgcattt	ttttaaaatgt	tagaaaatgt	tttagctgaa	atgaggatgc	acaattdaag	1680
gatggagggtg	atattttctt	caatggccaa	ttttaatttgc	ttttttttttt	acttacttat	1740
ttgggttagtt	aaatttttgc	attatgcata	gaaagaatcc	atgtatagg	tttattttca	1800
tacctgactc	tgggtgtgg	ggtttaataa	ctaatttttaa	agtctccag	tgactttcg	1860
tcttggttat	atggagaattt	ctgaatccc	aaacccttgg	ttaagttatgt	agaaggagga	1920
tgcctaatcc	tacaaatgt	cccttatac	atttcatat	ttatttgata	ttaagttatgt	1980
agatagatgtt	gagagacaat	taattatccc	cttttacaca	caaacacaca	tactcccaca	2040
tacttaccca	catgtacaca	gagtagtctgg	agaataaaaac	ccaaattcaa	aaaaaaaaaa	2100
aaaa						2104

Homo sapiens interferon-induced protein 44, mRNA (cDNA clone MGC:24007

ggggcatttt	gtgcctgcct	agctatccag	acagaggcgc	taccctcagc	tctagctgat	60
actacagaca	gtacaacaga	tcaagaagta	tggcagtgc	aactcgtttgc	acacgggtgc	120
acgaaaaagat	cctgcaaaat	cattttggag	ggaagcggct	tagccttc	tataagggtt	180
gtgtccatgg	attccgtaat	ggagtttgc	ttgacagatg	ttgtatcaa	gggcctactc	240
taacagtgtat	ttatagtgaa	gatcatatta	ttggagcata	tgcggaaagag	agttaccagg	300
aaggaaagta	tgcttccatc	atccttttgc	cacttcaaga	tactaaaatt	tcagaatgg	360
aactaggact	atgtacacca	gaaacactgt	tttgttgc	tgttacaaaa	tataactccc	420
caactaattt	ccagatagat	ggaagaaata	gaaaagtgtat	tatggactta	aagacaatgg	480
aaaatcttgg	acttgctcaa	aattgtacta	tctctattca	ggattatgaa	gtttttcgat	540
gcgaagattc	actggatgaa	agaaagataa	aaggggtc	ttagctcagg	aagagcttac	600
tgtctgcctt	gagaacttat	gaaccatatg	gatccctgg	tcaacaaaata	cgaattctgc	660
tgctgggtcc	aattggagct	gggaagtc	gcttttca	ctcagtgagg	tctgtttcc	720
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ataggacata	ctcttattaga	gacggaaaag	atggcaata	cctgccgtt	attctgtgt	840
actcaactggg	gctgagttag	aaagaaggcg	gcctgtcag	ggatgacata	ttctatatact	900
tgaacggtaa	cattcgtat	agataccagt	ttaatccat	ggaatcaatc	aaattaaatc	960
atcatgacta	cattgattcc	ccatcgtc	aggacagaat	tcattgtgt	gcattttgtat	1020
ttgatgcac	ctcttattca	tacttctc	ctcagatgtat	agtaaagatc	aaaagaattc	1080
gaaggggagtt	ggtaaacgc	ggtgtgtac	atgtggctt	gctcactcat	gtggatagca	1140
tggatttgc	tacaaaaggt	gaccttata	aaatagagag	atgtgagcct	gtgagggtcca	1200
agctagagga	agtccaaaga	aaacttggat	ttgctttc	tgacatctcg	gtggtagca	1260
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gacgaatgt	atgggctgc	gtgacttct	tagaggattt	gccttttgc	caaataggga	1380
atctaaggga	ggaaattatc	aactgtgcac	aaggaaaaaa	atagatatgt	gaaagggttca	1440
cgtaaatttc	ctcacatcac	agaagattaa	aattcagaaa	ggagaaaaaca	cagaccaaaag	1500
agaagtatct	aagaccaaag	ggatgtgtt	tattaatgtc	taggtgaag	aaatgcata	1560
aacattgttag	tacttgtaaa	taactagaaa	taacatgatt	tagtcataat	tgtaaaaat	1620
agtaataatt	tttcttgat	ttatgttctg	tatctgtgaa	aaaataaatt	tcttataaaaa	1680
ctcgaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaa			1714

601067066F1 NIH_MGC_10 Homo sapiens cDNA clone IMAGE:3453257 5', mRNA sequence.

aatctcaag acacattcac aaacaaatgg ttatcaccaa ggtttcatg ctctactcat	60
gttgacatga gttgtattaa ttgggtactg gaagtccagg atctgttgag gaagtcagtg	120
acccttaaat tcagaacac tgccttggaa ggtgggtggac cttaaaaaca gaagcttctc	180
agtttttagt catctgatata gagagaatatt gctagatatt cataaactta gggccaggca	240
atgtggggcc cctggaatgc tactgggcac tcttaacct agtcctagaa atttcagttc	300
caataatgtt ttcttcttct ttcttagata gaaactatata ttatctcgat gatctgccag	360
taccagcctt ccaaataaaaa ctctttcaga gtttagagaca cctggaaata ctcacttaca	420
ccacccaaaca ctggggccac cacatcgata cctgcagcat cttagtcaa gttggaggag	480
aaagacaaca cttggtctaa gacacggcag caagacatcc ctgcatatgt tccagataaaa	540
aatggaaagct gtcacaccca cttgcctccc caatctgtta aacagcttcg tgtcttagtat	600
gagctcagta ctggcctgt gaaaatccccca gaagcccccg ctgtcaatgg ttccccatcc	660
aaccctgttt gtcctgtgt aacagtccaga tgatgactaa taataaaaact gtacttttg	720
aaaaaaaaaca aaaggggggc ggcaaaagac ccgcagg	756

Human glutamate receptor subunit (GluH1) mRNA, complete cds.

ggtaaaggga	aaggggggga	aacaccaa	at	ctatgattgg	acctgggctt	cttttcgc	60
aatgcaaaaaa	ggaatatgca	gcacatttt	gc	caccgttt	cctaggcg	120	
gtagtaggtg	ccaaattccc	caacaatac	cagatcg	gattattcc	aaaccagc	180	
tcacagaac	atgctgctt	tagattgt	ttgtcgca	tcacagagcc	cccgaa	240	
ctccccaga	ttgatattgt	gaacatcagc	gacagctt	agatgaccta	agactgt	300	
tcccaggtt	ccaaaggagt	ctatgccatc	tttgggttt	atgaacgt	gactgt	360	
atgctgacct	ccttttgtgg	ggccctccac	gtctgcttca	ttacccgag	cttcccg	420	
gatacatcca	atcagtttgt	cottcagct	cgccctgaac	tgaggatgc	cctcatc	480	
atcattgacc	attacaagtgt	gcagaaaattt	gtctacattt	atgatgccga	ccggggctt	540	
tccgtcctgc	agaaaagtct	ggatacagct	gctgagaaga	actggcagg	gacagcag	600	
aacatcttga	caaccacaga	ggagggatac	cgatgtct	ttcaggac	ggagaagaaa	660	
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atggacattt	acttaaacaa	attcaaggag	agtggcgc	atgtgacagg	tttccag	840	
gtgaactaca	cagacactat	tccggcaag	atcatgc	agtggaaagaa	tagt	900	
cgagaccaca	cacgggtgg	ctggaagaga	ccaaagtaca	cctctgc	caccta	960	
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cgccggggga	atgctgggg	ttgtctgg	aacccagct	ttcoctgg	ccaagg	1080	
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caagctgggg	gcgataattc	aagtgttc	agacaa	acatgtc	aacaatc	1320	
gaagatcctt	atgtgatgt	caagaagaac	gccaat	ttgagg	tgaccgt	1380	
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ctggagattt	tcagtgtatgg	aaaatac	gccc	ctgacac	ggc	1500	
ggcatgttgg	gagagctgtt	ctatgaa	gca	ctgtgg	ctt	1560	
actttgtcc	ggaaagaagt	tatagattt	ccaaacc	ttatgag	gggat	1620	
atcatgatta	aaaaaccaca	gaaatcc	ccgggt	tctc	tgt	1680	
gcttatgaga	tttggatgt	cattgtt	ttt	gctt	ctt	1740	
ctggtcagcc	gtttcagtcc	ctatgaa	tgg	gag	agg	1800	
cagacaacca	gtgaccagtc	caatgag	gggat	ttt	ac	1860	
ggagccttca	tgca	atgtgac	ttt	cc	act	1920	
gggtggctt	gggtgttctt	caccta	atcat	gtt	atc	1980	
gccttcctga	ccgtggagag	gatgg	ttt	gtt	gtt	2040	
cagacagaaa	ttgcctacgg	gacgtgg	ttt	gtt	gtt	2100	
tctaaaattt	ctgtgttgt	gaagatgt	ttt	gtt	gtt	2160	
tttgtgcgg	ccacagagga	ggggatg	ttt	gtt	gtt	2220	
tacctcttgg	agtcacca	aatgag	ttt	gtt	gtt	2280	
aagggtggag	gtaaacttgg	ttccaaagg	ttt	gtt	gtt	2340	
ctgagagg	ccgtaaac	agcggtt	ttt	gtt	gtt	2400	
ctgaaaagca	aatgggtgg	cgataaagg	ttt	gtt	gtt	2460	
gacaagacaa	gctgtctgag	cctcagca	gtgg	ttt	gtt	2520	
ggacttggac	tagccatgt	ggttgc	cgg	ttt	gtt	2580	
tccaaggcga	tgaagggtt	ttgtt	ccacag	ttt	gtt	2640	
acatcgaccc	tccccgc	cagcgc	acgg	ttt	gtt	2700	
aatggtcggg	tgtcagcca	tgactt	ccat	ttt	gtt	2760	
cacagttcag	ggatgc	gggg	ccat	ttt	gtt	2820	
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ttcctgaaga	atgaaaaac	cattt	ttt	ttt	gtt	3000	
ctttctgtt	tgtca	ggat	ataa	ttt	gtt	3060	
accctgtcta	atgaaac	act	act	ttt	gtt	3120	
ctgactgtt	ttat	taq	ctt	ttt	gtt	3178	

zn32e02.s1 Stratagene endothelial cell 937223 Homo sapiens cDNA clone
IMAGE:549146 3', mRNA sequence.

cagtaataat cagaacaata tttattttta tatttaanat tcataaaaaa gtgccttaca	60
ttaataaaaa gttgtttct caaagtgtac agaggaatta gatatagtct tgaacaccaa	120
tattaatttg aggaaaatac accaaaatac attaagtaaa ttatttaaga tcatacgact	180
tgtaagtgaa aagataaaat ttgacccatg aaactctgag cattaaaaat ccactattag	240
caaataaaatt actatggact tcttgcctta attttgtat gaatatgggg tgcactgg	300
aaaccaacac attctgaagg atacattact tagtgataga ttcttatgta ctggctaga	360
taacatggat atgagttgac aagtttcctt ttcttcaatc tttaagggg cagagggaaat	420
gaggaagaaa agaaaaggaa ttacagcaat actggccctt tcctatagga aggatttagat	480
atgtttcctt tgccaaatat aaaaanaatt aataatgggtt accaccagtg aaccnaggt	540
atagggaaa taatggtcca gcatcncttg ccagaaaggg gtaagatggt tatgggtgaa	600
c	601

Homo sapiens mRNA expressed in osteoblast, complete cds.

gcacgaggaa	gccacagatc	tcttaagaac	tttctgtctc	caaaccgtgg	ctgctcgata	60
aatcagacag	aacagttaat	cctcaattta	agcctgatct	aaccctaga	aacagatata	120
gaacaatgg	.agtgacaaca	agattgacat	ggaatgatga	aatcatctg	cgcaactgct	180
tggaaatgtt	tctttgagtc	ttctctataa	gtctagtgtt	catggaggt	gcattgaaga	240
tatggttgaa	agatgcagcc	gtcagggatg	tactataaca	atggcttaca	ttgattacaa	300
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tatTTTcat	ggccatgtga	ctggccaagc	cgtagtgggg	tctgatacc	ccagcataac	840
cgagcggtat	aggatataatt	ctgttaaaga	tggaaaaaat	ggaaaatctc	tgcatttat	900
gttgtgtgac	actatggggc	tagatggggc	agaaggagca	ggactgtgca	tggatgacat	960
tccccacatc	ttaaaagg	ttatgccaga	cagatatcag	ttaattccc	gtaaaccaat	1020
tacacctgaa	cattctactt	ttatcacctc	tccatctctg	aaggacagga	ttcaactgtgt	1080
ggcttatgtt	tttagacatca	actctattga	caatctctac	tctaaaatgt	tggcaaaagt	1140
gaagcaagtt	cacaagaag	tattaaactg	tggatagca	tatgtggct	tgcttactaa	1200
agtggatgat	tgcagtgagg	ttcttcaaga	caactttta	aacatgagta	gatctatgac	1260
ttctcaaagg	cgggtcatga	atgtccataa	aatgctaggc	attcctat	ccaatatttt	1320
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DE wy59c01.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo sapiens cDNA clone
 DE IMAGE:2552832 3', mRNA sequence.

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Homo sapiens mRNA for C11ORF25 gene

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Homo sapiens isopentenyl-diphosphate delta isomerase, mRNA (cDNA clone

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Human prostaglandin endoperoxide synthase mRNA, complete cds.

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602381868F1 NIH_MGC_93 Homo sapiens cDNA clone IMAGE:4499393 5', mRNA sequence.

tgtgaataga caagaagctg tactatatgt gctctctcag tggcaacaat gaagtttgc	60
aattctagaa ctggatttt ttttttaaca aaagtcccaa aacaccaaaa atgtaaacaa	120
gataagagat taatattgt gtgatgtaat ttaattaaag ttatattttg gtttaatttt	180
aacaactgaa gtcttattgt tgaaacattat tttcaacaaa actgtgcagt taaatttgc	240
tacgtattca catactgaaa gatgaaccgt taaaatagca cttaaattttg gttcttcaa	300
tatgtcttga tatactttgt gcaattaata ttacacatgt aagttgtatg gcagtttaca	360
gaactcaatg acttgcattg aggtttcat atgagctaca cattgtgtac attgatgggt	420
ttttatTTT acataaaatcc attctgtcat tttcaacttt atatataaat ctccaatgtt	480
atggaaaca atagattgac acataatttt taaaaattat attgtaaaat ttctctatgg	540
tgaataaagt cttttaat aaaaaaaaaa aaaaaaaaaa gaaacaaaaa aaaaaaaaaa	600
aaaaaaaaaa aaaaaaaaaa aggggggggg ggaaaaaaaa accacggggg gcacaaatct	660
atccgccacc cacgtttaga tcaaaggggc cccaaagagag agacaaaaga aagcgacggc	720
gacacaacaa ccgggggcac acggtacga cttagggagag cacaatcgcg gtagtaggac	780
acacacaaaa aacgagaaca aacaggaccg tgacaccacc tgcgattgcc taataaaaag	840
gcagaaacgg cacgcacagc gacgagcacg cagcagaaac accacacgca gcaccatgtac	900
c	901

Homo sapiens mRNA for quinolinate phosphoribosyl transferase, complete cds.

atggacgctg aaggcctggc gctgctgtc ccccccgtca ccctggcagc cctggtggac	60
agctggctcc gagaggactg cccagggctc aactacgcag cttggtcag cggggcaggg	120
ccctcgagg cggcgctgtg ggccaaatcc cctgggtac tggcaggga gccttcttc	180
gatccatat ttacccaact caactgccaa gtctccttgtt tcctcccgaa gggatcgaag	240
ctgggtccgg tggccagagt ggccgagggtc cggggccctg cccactgcct gctgctgggg	300
gaacgggtgg ccctcaaacac gctggcccg tgcagtggca ttgccagtgc tgccgcccgt	360
gcagtggagg ccccgagggg ggccggctgg actgggcacg tggcaggcac gaggaagacc	420
acgccaggct tccggcttgtt ggagaagtat gggctctgg tggggggc cgccctcgac	480
cgcgtacgacc tgggagggtt ggtgatgtt aaggataacc atgtggtgcc ccccggtggc	540
gtggagaagg cggtgccggc ggccagacag gcggctgact tcgtctgaa ggtggaaatg	600
gaatgcagca gcctgcagga ggtcgccag gcagctgagg ctggcgccga cttgtcctg	660
ctggacaact tcaagccaga ggagctgcac cccacggcca cccgcgtgaa ggcccagtgc	720
ccgagtgtgg ctgtgaaagc cagtgggggc atcacccctgg acaaccccc ccagttctgc	780
gggcccaca tagacgtcat ctccatgggg atgtgaccc aggcggtccc agcccttgat	840
ttctccctca agctgtttgc caaagaggtg gctccagtgc cccaaaatcca ctag	894

Homo sapiens mRNA for cytochrome P-450 HFLa, complete cds.

gtgatggatc tcataccaaa cttggccgtg gaaacctggc ttctcctggc tgcgtgcgtg atactctct atctatatgg aaccgtaca catggacttt ttaagaagct tggaaattcca ggcccacac ctctgcctt tttggaaaat gcttgcct tccgttaaggg ctatggacg tttgacatgg aatgttataa aaagtataga aaagtctggg gtatttatga ctgtcaacag cctatgctgg ctatcacaga tcccgacatg atcaaaaacag tgcttagtggaa agaatgttat tctgtcttca caaacccggag gccttcggg ccagtggat ttatggaaaaa tgcctatct atagctgagg atgaagaatg gaagagaata cgatcattgc tgcgtccaaac attaccagg ggaaaactca aggagatggt ccctatcattt gcccgatgtg gagatgtt ggtgagaaat ctgaggcgaa aagcagagac aggcaaggct gtcacccgttga aacacgtt tggggctac agcatggatg tgatcactag cacatcattt ggagtggca tcgactcttca caacaatcca caagaccctt ttgtggaaaaa caccagaag cttttaaat ttaatccattt aiatccattt gttctctcaa taaaagtctt tccattcattt accccaattt ttgaaggcattt aatatcact gtgtttccaa gaaaagttt aagtttctt acaaaaatctt taaaacagat aaaagaaggt cgccctcaaag agacacaaaaa gcaccggatg gatcccttc agctgtatgat tgactctc aattcaaaag actctgagac ccacaaagct ctgtctgtc tggagctcat ggccttca attatcttta ttttgctgg ctatgaaacc acgagcagtg ttctctcattt cattatata gaactggcca ctcacccgttga tgcgtccagcaag aaagtgcaga aggaaatttga tacagttt cccaataagg caccacccac ctatgatact gtgttacatg tggagttatct tgacatggtg gtgaatggaaa cactcgattt attcccgattt gctatggac ttggaggggtt ctgcgggggg gatgttggaaa tcaatggat gtttattccc aaagggggtgg tgggtatgtat tccaaatct gttcttcattt atgacccaaa gtactggaca gggcttggaa agtttcttcc ttgaaagggt agtaaaaaga acaaggacaa catagatcct tacatataca caccctttgg aagtggaccc agaaaactgca ttggcatgag gtttgccttc gtgaacatgtt aacttgcctt agtcagatgc cttcagaact tctccttcaa accttggaaa gaaacacaga tccccctggaa attacgctt ggaggacttc ttctaaacaga aaaaccattt gttctaaagg ctgagtcaag ggatgagacc gtaaatggat gctgatttcc ctaaggactt ctgggttgcctttaagaaaa gctgtgggg agaacaccatg agacccatggaa ttactttaca aatagaaccc tggaaatggaa acggggcttca tccaatgtgc tgcataaata atcagggtt ctgtacgtgc attgtgcctt ctcatgggt gtatagatgtt ttataacttgg taatataatgg gagatggacca aatcgtgtt gggggaaat atttggcttc tctgcttc ataggactat ctccaccacc cccagttgc accattaaact cctcctgagc tctgataaca taattaacat ttctcaataa ttcaaccac aatcattaaat aaaaatagga attattttga tggctctaactt agtgcacattt atatcatgtt ttatatctgt agtattctat agtaagctt atattaagca aatcaataaaa aaccttttta c	60 120 180 240 300 360 420 480 540 600 660 720 780 840 900 960 1020 1080 1140 1200 1260 1320 1380 1440 1500 1560 1620 1680 1740 1800 1860 1920 1971
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Human mRNA for endothelin converting enzyme, complete cds.

atgcggggcg tggcccgcc cccgggtgtcc gcccctgtgt cgccgcgtggg gatgtcgacg	60
tacaaggcggg ccacgctggc cgaggaggac ctgggtggact cgctctccga gggcgacgca	120
taccccaacg gcctgcaggt gaacttccac agccccccgga gtggccagag gtgtctggct	180
gcacggaccg agggtggagaa gcggcgtggtg gtgttgggtg tactttctggc ggcaggactg	240
gtggcctgtcttggcagact gggcatccag taccagacaa gatccccctc tgtgtgcctg	300
agcgaagctt gtgtctcagt gaccagctcc atcttgagct ccatggaccc cacagtggac	360
ccctgccatg acttcttcgt ctacgcgtgt gggggctggta tcaaggccaa cccagtcct	420
gatggccact cacegtgggg gaccttcage aacctctggg aacacaacca agcaatcatc	480
aagcacctcc tcgaaaactc cacggccagc gtgagcggagg cagagagaaa ggcgcaagta	540
tactaccgtg cgtgcatgaa cgagaccagg atcgaggagc tcagggccaa acctctaattg	600
gagttgattt agaggctcgg gggctggAAC atcacagggtc cctggggccaa ggacaacttc	660
caggacaccc tgcaggttgtt caccggccac taccgcaccc cacccttctt ctctgtctat	720
gtcagtgccg attccaagaa ctccaaacagc aacgtgtatcc aggtggacca gtctggcctg	780
gggttgcctt cgagagacta ttacctgaac aaaactgaaa acgagaaggt gctgaccgga	840
tatctgaact acatggtcca gctggggaaat ctgctggcg gcccggacgaa ggaggccatc	900
cgggccca gtcagcagat cttggacttt gagacggcac tggccaaacat caccatccca	960
caggagaagc gccgtgtatga ggagctcatc taccacaaag tgacggcagc cgagctgcag	1020
accttggcac ccgcacatcaa ctgggtgcct tttctcaaca ccattttctt ccccgtggag	1080
ataaatgaat ccgagccttat tgcgtctat gacaaggaat accttgcac gatctccact	1140
ctcatcaaca ccaccgcacat atgcgtgtcc aacaactaca tgatctggaa cctgggtgcgg	1200
aaaacaagct ctttccttga ccagcgctt caggacgcgg atgagaagtt catggaaatgc	1260
atgtacggga ccaagaagac ctgtcttcctt cgctggaaatg tttgcgttag tgacacagaa	1320
aacaacctgg gctttgcgtt gggcccccatttgcgtt caacccctgcg cgaggacacgc	1380
aagagcatag ccaccgcagat catcctggat attaagaagg catttgagga aagcctgagc	1440
accctgaagt ggtatggatga ggaaacccga aaatcagcca agggaaaaggc cgatgccatc	1500
tacaacatga taggatacccttcaacttcatc atggatccccca aggagctggaa caaagtgttt	1560
aatgactaca ctgcagttcc agaccccttac ttgtaaaatg ccattgcgtt tttcaacttc	1620
tcatggaggg tcaactgcgttcaagtcagg aaagccccca acagagatca gtggagcatg	1680
accccccggcca tggtaaacgc ctactactcg cccaccaaga atgagattgtt gtttccggcc	1740
gggatcttcgc aggcaccatttcttccatc acacacacgc tccttcacccca aggcctttaaa ctttgggtggc	1800
ataggtgtcg tgcgtggccca tgagctgact catgcgtttt atgatcaagg acgggagat	1860
gacaaggacg ggaacccctcg gccatgggtgg aagaactcat ccgtggaggc ttcaagcgt	1920
cagaccgagt gcatggtaga gcagttacagc aactacagcg tgaacgggg gccgggtgaac	1980
ggccggcaca ccctggggga gaacatcgcc gacaacgggg gtctcaaggc ggcctatcgg	2040
gcttaccaga actgggtgaa gaagaacggg gtcggact ctgcgttttgcgttccctc	2100
accaataacc agcttttctt cctgggttttgcacaggctt ggtgtccgtt ccgcacaccc	2160
gagagctccc acgaaggcctt catcaccgtt cccacacggcc cctctcgctt ccgggtcatc	2220
ggctccctctt ccaattccaa ggagttctca gaacacttcc gtcggccacc tggctcaccc	2280
atgaacccgc ctcacaagtg cgaagtctgg taaggacgaa gcggagagag ccaagacgga	2340
ggaggggaag gggctgagga cgagacccccc atccagcctc cagggcatttgc ttcagccgc	2400
ttggccacc	2409

602386668F1 NIH_MGC_93 Homo sapiens cDNA clone IMAGE:4515521 5', mRNA

gcagaatgga agcttagagg aacttgcctg tgagcgctgg tcttgtgttg gtttgtatg	60
taacgatctt gctggggttt tttgcttggtt ttgaggaaa tgtcttggag taaattttaa	120
tttcctggag ttaatttggtt ttacaggaat ttgtttttta aaaaaatagg atcattctga	180
acttggaatg acccccttat atatttctg aaaatgaaaa cagttacatg aaaaaaattt	240
ccaatgaaga tgtcagcatt ttatgaaaaa ccagaagttt ttagatgaaa gcagcgagtg	300
aatctttaaa acagacttga tcacgcacac acaataagtc ttctctccg aaaccggaag	360
taaatctata tctgttagaa ataatgtgc caaaaagaatg taaatttgag gatttttgc	420
caatagttt tagaaaaatat atgaacccaa gtgatttgag ttgtaaaaa tgaaaaatag	480
tatgaaccaa atttgcactc taccagattt gaacatctag tgaggttcac attcatacta	540
agtttcaac attgtgttct ttggcattc attttttact ttattaaag gttcaaaaacc	600
aaaaaagaaa aaaag	615

Homo sapiens mRNA for Rev-ErbAalpha protein (hRev gene)

ccgttgccctc	aacgtccaac	ccttctgcag	ggctgcagtc	cggccacccc	aagaccttgc	60
tgcagggtgc	ttcggatcct	gatcgtgagt	cgcggggtcc	actccccgcc	cttagccagt	120
gcccaggggg	caacagcgcc	gatcgcaacc	tctagttga	gtcaagggtcc	agtttgaatg	180
accgctctca	gctggtaag	acatgaccac	cctggactcc	aacaacaaca	caggtggcgt	240
catcacctac	attggctcca	gtggctccctc	cccaagccgc	accagccctg	aatcccteta	300
tagtgacaac	tccaatggca	gcttccagtc	cctgacccaa	ggctgtccca	cctacttccc	360
accatcccc	actggctccc	tcacccaaga	cccggtcgc	tcctttggga	gcattccacc	420
cagectgagt	gatgacggct	cccttcttc	ctcatcttc	tcgtcgatcat	cctccctc	480
cttctataat	gggagcccc	ctgggagttt	acaatgtggcc	atggaggaca	gcagccgagt	540
gtccccccagc	aagagcacca	gcaacatcac	caagctgaat	ggcatgggt	tacttgtaa	600
agtgtgtggg	gacgttgcct	ccgggttc	ctacgggtgt	ctcgccgtcgc	agggctgcaa	660
ggggttttc	cgtcgagca	tccagcagaa	catccagttac	aaaagggtgc	tgaagaatga	720
gaattgtcc	atcgccgca	tcaatcgcaa	ccgctgcccag	caatgtcgct	tcaagaatgt	780
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geagcggatg	cttgcgtgaga	tgcagagtgc	catgaacactg	gccaacaacc	agttgagcag	900
ccagtcccc	ctggagactt	cacccacccca	gcacccacc	ccaggccca	tggccccctc	960
gccacccccc	getccggtcc	cctcacccct	ggtggttcc	tcccagtcc	cacaacagct	1020
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ccgggccccat	cgagagatct	tcacctacgc	ccatgacaag	ctgggcagct	cacctggcaa	1140
cttcaatgcc	aaccatgtcat	caggtagccc	tccagccacc	accccacatc	gctggaaaaa	1200
teagggctgc	ccacctgccc	ccaatgacaa	caacacccttgc	gtggcccagg	gtcataaacga	1260
ggccctaaat	ggtctgcgcc	aggctccctc	ctcctaccct	cccacctggc	ctctggccc	1320
tgcacaccac	agctgccacc	agtccaaacag	caacgggcac	cgtctatgcc	ccacccacgt	1380
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cttctctctc	ctttacgaga	cgaaaaggaa	aagcaaacc	aatcttatt	tatattgtta	2160
taaaatattc	caagatgagc	ctctggcccc	ctgagccctc	ttgtaaatac	ctgcctccct	2220
cccccatcac	cgaacttccc	ctccctccct	atttaaacca	ctctgtctcc	cccacaaccc	2280
tcccctggcc	ctctgatttg	ttctgttctc	gtctcaaatac	caatagttca	cagctaaaaaa	2340
aaaaaaaaaa	aaaag					2355

Homo sapiens insulin induced protein 1 (INSIG1) gene, complete cds.

agtcacagt	gggtcgagg	agacacagca	caggottctg	aaaggtgcc	tgtccattag	60
ggagcacccc	atttacagat	gggtcatcc	tcagetca	agtttcccag	cgcatgacag	120
tggtagctt	tttttttcc	tattataaac	aatcttcga	tgtgactgc	atgatctacg	180
gatgatctac	gtatctgg	gtgtgatcc	caagcactt	tgcaagggt	agtgtaaaca	240
atggccaaga	cccaaactgc	aatgttccc	gaagtccaac	ctgcttggag	tccttggaa	300
cgtgtacaat	ggtaaacagg	ctttagagga	gtcagctgg	agagttagag	cgagactg	360
ctgcagaggg	gccgctgagg	atggacc	gtaggccgtc	cacacccacc	acgcgtgtca	420
tcctcaggaa	atgcaaccgg	atgctcgaa	tttcgccc	aaagcgactc	agggcagtct	480
cagctcaggaa	agacttctt	tttgacctt	ctggctaaa	gccacaaccc	caggctgagg	540
atgccacatc	aacggcg	cctcgccac	ctgcaggcgt	gactcacgtt	tctaagcctg	600
cagggtcccc	gggccaagcg	cggctactga	gagcacagcg	tcctccctca	gccccctgctc	660
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gcccgcatt	gcbcgtgagca	ggggcctccc	cgccgc	gcccgcgccc	ctccagggag	960
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cccgtagga	ccgtccctc	ccaggcccc	gtccgc	cgccctacca	gaccgcgtgc	1140
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cgcgcgccc	ccagggcgt	ccgcgtccc	gggcgtgac	tcctccttcc	ccccgc	1320
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cggcgctccc	gcctgtccc	ggtccgggg	ttcgcgtccc	gccccgcctt	cctcgctt	1620
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aacgtttccg	tgtccggcc	ctccctgt	gccccccac	gtccccgg	cgctgacccc	1860
gccccccagg	gccgcgtgc	tgcgtgagc	ggccccgagc	ccggcag	ctacccaaac	1920
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accctgg	tcaaccc	gcagatcc	aggaatgt	ctcttccc	cgaggaggt	2040
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gagtaccc	cctgg	ctgg	aaagggt	tttctgg	aaagta	2160
tcagcata	agaaacatgc	attt	gaaactat	acagattgaa	agtgtc	2220
tccagtctt	ggatttagag	aatgaagga	ggggtagaga	ggac	ctccgc	2280
cgggttc	acacag	ctgt	agga	act	ggaggaggg	2340
agataattgg	ctgttca	agg	gttgc	gttgc	ccctc	2400
cgtccgg	cagcccc	tgt	cc	cc	ccgc	2460
aactgg	cagcgg	gaa	ggcc	att	ctgg	2520
ggataactga	aaaca	gtc	ca	cc	ccgg	2580
ctcagoactt	ccttt	gg	tt	cc	cc	2640
accctg	gtt	ag	cc	cc	cc	2700
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ctgaactgt	gac	ac	cc	cc	cc	2820
cccg	ttt	ta	cc	cc	cc	2880
gtcacac	at	tt	cc	cc	cc	2940
taag	ttt	ta	cc	cc	cc	3000
agagtct	aaat	cc	cc	cc	cc	3060
cctgtt	ggg	aa	cc	cc	cc	3120
tgctgtt	tt	gg	cc	cc	cc	3180
aatcac	tt	gg	cc	cc	cc	3240
gtagact	cc	tt	cc	cc	cc	3300

tca	ggtt	gact	cact	gaaaac	agca	aggc	agc	agag	agg	ttt	gt	agc	agat	gggg		3360		
tc	ccgt	gtt	g	aaga	act	agg	ac	agg	gt	tct	gta	act	aaa	agt	gtgg		3420	
ca	ta	gtt	gt	ctcg	gggg	ga	cg	gg	tt	cctc	tgc	gtt	gt	aa	acat	tatgtggctg	3480	
tt	cta	agt	gt	ac	actt	ttt	g	aa	ac	gtat	ct	ag	tt	aa	atccatgt	ttcatataca	3540	
gt	tt	ca	gag	aa	tag	tt	c	tt	aa	ccc	t	tt	aa	at	cttagaaat	gagataggta	3600	
gc	tt	ca	gt	tt	gt	taatt	g	tt	c	ctca	ag	gtt	c	tt	atctgga	caatttctca	3660	
tac	tct	cata	ttt	ttt	ttt	aa	acc	cc	tc	agcca	aga	g	c	ata	gata	aatttttcat	3720	
at	gtat	tttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	tttgggggt	3780	
ca	at	tttca	ga	act	ccaaa	at	ta	ga	ac	ct	gt	at	gt	at	aa	at	aaacaacatt	3840
ttt	at	ctgt	ga	at	gtt	gt	ca	aa	act	gt	ttt	gtt	tc	at	gt	aa	ctaaaaggta	3900
tat	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	3960
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aaa						12003

yy35b09.s1 Soares melanocyte 2NbHM Homo sapiens cDNA clone IMAGE:273209 3',
mRNA sequence.

ncagcatttt tcggcctctt tatttagaac ccggcgacg agggccgggc	gcagtggta	60
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Homo sapiens tumor rejection antigen (gp96) 1.. mRNA (cDNA clone)

gaggatccga	accagggtt	gggggttggaa	ggcggtctt	gcgtatcgaa	gggacttgag	60
actcaccggc	cgcacgccc	gagggccctt	tgggtgttt	gcctctgtt	cgttcgtt	120
accttcgggt	cggtcagagc	tgacgttggaa	gtttagtttt	atggtacagt	agaagaggat	180
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gttatttttt	tttttttttt	aatatgtttt	tttttttttt	aactttagata	gaatgttttt	300
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accagagaagg	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	660
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Homo sapiens tumor suppressor deleted in oral cancer-related 1, mRNA (cDNA clone MGC:3779 IMAGE:3659410), complete cds.

gcgcgcaagg	caccgggtggc	agcggcgacg	gcagctgcga	cagcaacccc	tgctggccg	60
aaactgggc	a g a c g g a g c a	g a c g t c t g a a	g c a g c g c g a g	t g a g g c g c g a	g g g t a g c g c c	120
cgcgcgggg	a a g a c c c t c	g g c g c g a a c c	g g c a g c c c a g	c c c c g g g t c c	c g g t t c c c a a	180
gcccccgct	c t a g g g c c t g	g g g a c t a a t c	g g a t t g a g a g	c g c g c c g g c c	c g g g c c g c g a	240
actcgccaat	t g c g g a g g g c	g g t g g c c a c c	g c c c a a t c c g	g a g c a g a c a g	g t g c g a g g t c	300
cggaaggcgg	a g g c c a a t c g	g e g g c g g t t g	c g a c c t g c t g	g g g c a g g t c t	c g g c c a a t a a	360
ggaggctcg	g t g a c a t c t t	c g c g c a c c a a	t c g g g a g t g a	g g g a g c a t t c	g t g c c c g c t c	420
gcccttcgg	c c a g a c c t c t	a t t a c c a g g	g g c g t g c a g c	c c g c t t g c c a	a t c a g a g c g c	480
ggctgagcgg	c c c c g c a g c c	a a c c c c c g a g	g a g c g g c c g g	c t g g c g t c c g	c c g c g c c c a g	540
gagttgggga	t g t c c t a c a a	a c c c a t c g c c	c c t g c t c c c a	g c a g c a c c c c	t g g c t c c a g c	600
acccctgggc	c g g g c a c c c c	g g t c c t a c a	g g a a g c g t c c	c g t c g c c g t c	g g g c t c a g t g	660
ccaggagccg	g c g c t c c t t	c a g a c c g c t g	t t t a a c g a c t	t t g g a c c g c c	t t c c a t g g g c	720
tacgtgcagg	c g a t g a a g c c	a c c c g g o g c c	c a g g g c t c c c	a g a g c a c t a	c a c g g a c c t g	780
ctgtcagtca	t a g a g g a g a t	g g g c a a a g a g	a t c c g g c c t a	c c t a t g c t g g	c a g c a a g a g c	840
gccatggagc	g c c t g a a g a g	a g g t a t c a t c	c a t g c c c g g g	c c c t a g t c a g	a g a g t g c c t g	900
gcagagacag	a g c g g a a c g c	c c g c a c g t a a	c a g g a a g c g c	c t c g g c c t c a	g c g t c t g g a c	960
ctatccggcc	a c t g c a g a g c	a c c c g c t t c t	c c c t g g c c t t	c a t c c c g a g t	t g c a c t a a c c	1020
atcctgggct	t c c t g t c c t g	t g t c c t t g g	t g g g t c c c c t	c c a g g a a c c a	a g g a g t g g c c	1080
ctccaggtgg	c a g c a c t a a g	g a c a c c c c c c	c a c a a c a a g a	g t t a g c a g c g	a g g t c c c c a t	1140
gagtcccacc	c a t g a c c t g c	c g a c a g t g t t	g c c c a c c g g a	a c t t t t g t g g	c c c c t a c c g c	1200
tcagcccttc	c c a g c a c t c	t c c c a c t t t g	t c c c g a g c c t	c c t t c t c c c c	c a g c a g g g g c	1260
acaggcctgg	c a c c t c c t g	c c t t g t g t c c	t g a g c c a t a g	t g a c t t t t t	a t c t g t g t g t	1320
cttttgcata	a t a t g c c c t t	t t t a t a t t a a	t a a a a g a t g a	t t t g g a g t t g	t g c t c t c a a a	1380
aaaaaaaaaaa	a a a a a a a a a a					1397

Homo sapiens TNFR-related death receptor-6 (DR6) mRNA, complete cds.

atggggacct	ctccgagcag	cagcacccgc	ctcgccctc	gcagccgc	cat	cgccccccga	60
gccacagcca	cgatgatcgc	gggctccctt	ctcctgc	tgttcc	tttag	caccaccaca	120
gctcagccag	aacagaaggc	ctcgaatctc	attggcacat	accgc	ccatgt	tgaccgtgcc	180
accggccagg	tgctaaccctg	tgacaagtgt	ccagcaggaa	cctatgt	tctc	tgagcattgt	240
accaacacaa	gcctgcgcgt	ctgcagcagt	tgccctgtgg	ggacctt	ttac	caggcatgag	300
aatggcata	agaaaatgcca	tgactgttagt	cagccatgcc	catggcc	aat	gattgagaaa	360
ttaccttgtg	ctgccttgac	tgaccgagaa	tgcaacttgcc	cac	ctggc	cat gttccagtc	420
aacgctac	gtgcccccca	tacggtgtgt	cctgtgggtt	gggtgt	tgcg	gaagaaaagg	480
acagagactg	aggatgtgcg	gtgttaagcag	tgtgtcggg	gtac	ccttctc	agatgtgc	540
tctagtgtga	tgaaaatgcaa	agcatacaca	gactgtctga	gtc	agaaac	ct ggtgtatc	600
aagccggg	ccaaggagac	agacaacgtc	tgtggcacac	tccc	gttc	ctccagctcc	660
acctcac	ccctggcac	agccatctt	ccacgc	cc	tg	agcacatgg	720
gtccctt	cctccactatgt	tcccaaaggc	atgaact	act	ccaa	cttctgc	780
tctgttagac	caaaggta	ctgttagatc	cagaagg	gt	ccctgt	caacacaag	840
tcagcaagg	ggaaggaaga	cgtgaacaag	accctccaa	ac	ttc	tcaggatgt	900
cagcaagg	cccaccacag	acacatctg	aagtgt	gtc	gt	actcaaccac	960
ggcgagaag	ccagcacg	catcaagg	cccaagagg	gacat	cc	ggccacttgg	1020
cacaaggatt	ttgacatcaa	tgagcat	tttggatg	ttgt	gtt	ttt cctgt	1080
gtgcttgg	tgttgg	gtgcagtatc	cggaaaag	cgaggact	tct	gaaaaagg	1140
ccccggc	atccca	cattgtggaa	aaggcagg	tgaagaa	atc	catgactcc	1200
acc	gggagaaat	atctactac	tgc	atgg	tatc	tatcctgaag	1260
ttt	cccaagtgg	aagcc	tttgc	atc	gtt	tttgc	1320
agt	ggagg	tttctccaa	ggt	atc	ccg	ccacga	1380
gc	actgtgc	actggac	cc	gc	cc	gc	1440
cc	ccgg	atccgggc	cc	ct	cc	cc	1500
cc	ccgg	aaacgat	tt	cc	cc	cc	1560
cc	ccgg	ttgaaact	tttgc	cc	cc	cc	1620
cc	ccgg	aaact	cc	cc	cc	cc	1680
cc	ccgg	cc	cc	cc	cc	cc	1740
cc	ccgg	cc	cc	cc	cc	cc	1800
cc	ccgg	cc	cc	cc	cc	cc	1860
cc	ccgg	cc	cc	cc	cc	cc	1920
cc	ccgg	cc	cc	cc	cc	cc	1968

601848574F1_NIH_MGC_55 Homo sapiens cDNA clone IMAGE:4079202 5', mRNA sequence.

acaatggtat agatttcaca acacaaaaag gacattggtg gatgttactg cacatttaa	60
attcttaaca ctaatttatac tgtataagtg tttatatgcata tattttggga cataaacagt	120
ttatgtaaaa tttagtaatga atgatggcaa cgagggcaact gttatctcg ttgtttcaa	180
tgatcattta gcatttcaatg atggaacagc tggatataaca taagtggtcg gcatgaaata	240
tttgagatcg aaacttctgt gccttgaaca gaacttat ctttagattct ctccacatt	300
ttctgtggag ctgggggttga ataggaacca gatgatgtt actgctgaaa ttccataatg	360
cttcccattt aaggaaagtg agaaccagga aagctgttt cacgtcatgt gccatccagt	420
actgacaggg aagaaagatg tagtttcca gtatgtatga atcacattt gaattacatt	480
tcttcctaag aagtaaaaaac tcagaatgtt ccatctgtt ttcccttcag ttcatattaaat	540
ggcatcataa cagatgactt gtgctaagtt caatagagtt accacatctt ttactattat	600
gaaaaaaaaat taactttaat gaaccatttc ttggacatga ttccctatac attaccattt	660
ggccgaatgt gttggtcata ctatcacgca ctaaacctgg gtgtttacac tgggcaccgc	720
gtttcaccgg gcataaggcg gacaacggc tttaggcaaac tcgggtcctc gaaac	775

Homo sapiens clone PP1722 unknown mRNA.

gctgtgtggc ccaggctttt ctcaaactcc tgagggcaag cgatcctccc acctcagct	60
cctgagtagc tgggactaca ggcatagtgcc actagacctg gctctaaaga catatatgac	120
acacgaaacc atttattttt catttcacaa tgtttattca catatatggt attagtattc	180
taatgttagt atgcactcta aatttgattcata atatttccta gaacatctga acagagcata	240
ggaaattccc tattttgcca ttatcagttc taacaaaaat cttaaaaagca ctttatcatt	300
tcattttccct gcactgtaat ttttttaaat gatcaaaaac agtatacatac caaggcttac	360
ttatatttggaa atactatttt agaaaaggttt gggctgggtt gtatttataa atcttgttgg	420
tcagatgtct gcaatgagta aatttagcac catttcagg aagctttctc accaatgaca	480
acttcattgg aagatttaa tgaaaaggta gcatactcta gggaaaaaaat atgaatattt	540
tagcatctat gtattgaaaa ttatgttcaa taaatgtcag actatttttt acataacgtt	600
gcttcgtttt aattttgtca cgttcagagg tggggggtag gagatgtaaag cccttgacag	660
caaaaataatt cttttgtctt gatttcagac agttcatca gctccttgc tctgtgttca	720
tgttacactt atttaggtgg ctgaatccac agaggagcc gctgggttcta atccccggaca	780
gtatcctgag gattcctcaa gtgatggttt aaggcaaaagg gaagtttttc ggaaccttcc	840
ttccccctgga tggaaaaaca tctcaaggcc tgaagctgcc cagcaggcat tccaaaggcct	900
gggtccctggt ttctccgggtt acacacccta tgggtggctt cagctttctt ggttccagca	960
gatatatgca cgacagtact :acatgcaata ttttagcagcc actgctgcat cagggcctt	1020
tgttccacca ccaagtgcac aagagatacc tgtgtctct gcacctgctc cagccccat	1080
tcacaaccag ttccagctg aaaaccagcc tgccaaatcg aatgctgctc ctcaagtgg	1140
tgttaatccct ggagccaatc aaaatttgcg gatgaatgca caagggtggcc ctattgttgg	1200
agaagatgat gaaataaaatc gagattgggtt ggattggacc tattcagcag ctacatttt	1260
tgttttctc agtatcctct acttctactc ctccctgagc agattcctca tggcatggg	1320
ggccaccggtt gttatgtacc tgcatacggt tgggtggttt ccatttagac cgaggccgg	1380
tcagaacttc ccaaattgtatg gtcctcctcc tgacgttgta aatcaggacc ccaacaataa	1440
cttacaggaa ggcactgtatc ctgaaactga agaccccaac caccccttc cagacaggga	1500
tgtactagat ggcgagcaga ccagcccttc ctatgagc acagcatggc ttgtcttcaa	1560
gactttctttt gcctctcttc ttccagaagg ccccccagcc atcgcaaaact gatgggtttt	1620
gtgctgttagc tttggaggc ttgtacagga atggactggc tcacctgact ccagctagat	1680
tgcctctctt ggacatggca atgatgagtt ttaaaaaaac agtgtggatg atgatatgct	1740
tttggtagca agcaaaagca gaaacgtgaa gccgtgatac aaattgggtga aaaaaaaaaatg	1800
cccaaggctt ctcatgtctt tattctgaag agctttaata tataactctat gtagtttaat	1860
aagcactgtat cgtagaaggc cttaggtgtt gcatgtctat gcttgaggaa cttttccaaa	1920
tgtgtgtgtc tgcatagtgt tttgtacata gaagtcatag atgcagaagt ggttctgctg	1980
gtacgatttg attcctgttg gaatgtttaa attacactaa gtgtactact ttatataatc	2040
aatgaaatttgc ttagacatgt tttagcagga ctttctagg aaagacttat gtataattgc	2100
ttttttaaaat gcagtgtttt actttaaact aagggaact ttgcggaggt gaaaaccttt	2160
gctgggtttt ctgttcaata aagtttact atgaatgaca aaaaaaaaaa aaaaaaaaa	2217

Homo sapiens hypothetical protein FLJ11259, mRNA (cDNA clone MGC:8787 IMAGE:3925141), complete cds.

gcaaaatcaa	acctgctatt	tcagcactcc	.tgtttttaac	ttgggtgtctt	tagtgcttgg	60
attggggaa	tgtttcgaaa	tgggcattgt	cgc当地	cagagttag	ctgtgc当地	.120
ggttcatgac	gggggc当地	tttggc当地	tgtctgtgt	gtc当地	cgctcc当地	180
gtccatcatc	tcttaca当地	catgtcccc	gtggAACAGT	ctctcgacat	gccacatacg	240
gatggtc当地	tctggc当地	cttgc当地	tgtcatcccc	atgattgtct	tgcttc当地	300
aatttccata	accaagctgg	agtggaaatcc	aagagAAAAG	gattatgtat	atcacgtat	360
gagtgcgatc	tgtgaatgga	cagttgc当地	tggttt当地	ttctacttcc	taacttcat	420
ccaagattt	cagagtgtca	ccctaaggat	atccacagaa	atcaatggtg	atatttgaag	480
aaagaagaat	tca	tcagtgaatg	tcgc当地	ttctaaaag	tgctacagag	540
gacagacagg	gtttgaggc	caccctgatt	atgggatgc	atctgc当地	catccaggac	600
ttgaatttca	ttacgagttc	ctaata	tatttctaaa	gatgtt当地	agagaatgtat	660
cagccttatg	acactgttagt	gatgtt当地	taatttctta	agtagat	tttatattaa	720
caaattcata	tacagaaaaaa	ataagggttt	acaaaaaaatg	gagagctt	attttgtac	780
agattctgtc	gtttt当地	tatttgtgt	agattt当地	aaatacacta	aatgagtaat	840
tcaggttcag	tacatttatt	acaaggtaa	atcaggggat	attcattt	aaatttattt	900
cttagtgaat	gaactgtata	atttt当地	tcaggagagc	acttataaaa	ttcaattt	960
aaagatcata	tacccaaatc	ataaaagattt	agttgataca	ttaacactaa	gatactctg	1020
tttttagcca	aactaaacaa	agtgttctt	ctgagaggcc	tttataccac	catgtacagt	1080
aaattctaagt	gaatacggaa	gaccttgggt	ttgaaattct	gccacctt	ttctccctgc	1140
tcatgagg	tcgc当地	ctcttgc当地	taattgccc	ttcttagtgg	gtgtatg	1200
aggtgaaatg	gtttcaacaa	gtcagggtgaa	aaccatcctt	tattgttgc	ggcacaactt	1260
gatataatgt	ctgactcaga	actgaagctc	acatctcaaa	ttcatttcat	gccagtaat	1320
gtggccaaaga	gaagaaaaggc	ccaagagcga	gacaagaaga	atggagaagg	gggc当地	1380
gaagaactt	tggggttcagg	gtactgtt	tttgc当地	ctcttcatgc	ctgtggctgg	1440
atgtcccaca	acactataa	aaatataatgt	caagccctt	gtgttaagca	agaactacag	1500
actccatctt	ttcacccaaa	tcatgaatga	ccaataaaaa	gcaagttatt	ccagaggaag	1560
aagcagccct	tgaaaaataa	ggcttaggct	tgaaagggtg	agagcaggaa	ttctctt	1620
caaattctag	agcataaaacc	catgtgtggc	caagttagat	cagccctcaa	gggc当地	1680
caagggcaga	gcagccc当地	tagacagctt	cgagg	gggggtgtag	ggagttc当地	1740
gtagctc当地	attaactatt	tgttgggtga	gtaaagggg	gaggctcag	ggcagg	1800
tctgcaatga	caagctgc当地	ccc当地	tgtttagcat	atgttattag	aatatgtcc	1860
acacccctac	cgctgccc当地	tgggccc当地	aataaaagcca	agtagagaaa	tctggcaata	1920
aaaggcaat	gtaagcatgc	tttctttaag	acgc当地	aatggttt	tttaagt	1980
tggaagagtt	tgacagagat	acacctt	aagaaaaacat	taagaatgt	ggctggctgt	2040
ggtggctcac	acctgtattt	ccagcactt	gggaggc	ggcaggagga	ttgctt	2100
ctgggactt	gagaccagac	tgggaaacat	ggcaaaatcc	catctctaca	acaaaatac	2160
aaaaattagc	caagtgc当地	ggtgtgc当地	tagtcttagt	tacttgggag	gctgagg	2220
gagaatcacc	tgagccc当地	aggtggag	tgca	catgccaatg	cactccagtc	2280
tgggcaacag	agtggagacc	tgtctcaaaa	ataaaataa	aaataaaatg	ataaaagagaa	2340
tgcta	aaaaaaa	aaaaaaa	aaaaaaa	aaaaaaa	aaaaaaa	2388

tq65c10.x1 NCI_CGAP_Lu19 Homo sapiens cDNA clone IMAGE:2213682 3' similar to SW:ENPL_HUMAN P14625 ENDOPLASMIN PRECURSOR ;, mRNA sequence.

ttttttttcc tctactgcag	cttcatcatc agattcttct	ttctcttctt tggctgttc	60
ttcttcctcc atgggctcc	caacagttc agtcttgctg	ctccatacat aaataggaaa	120
gttatgaac tgtaatatt	ttttgacga gattttaat	tgtatccaat tcaaggtaat	180
cagatgtttc ttctttaag	acaagggtaa ttgtcggtcc	ccgtcttaga gtgttcttc	240
ttgggtcagc aattacagaa	aattcattgg agtcagactc	ccagatgtgc ttagtatcg	300
tgttgttta tgaagtgaca	ataacattat ctgtacaaag	gaaggcgcaa tagaaaccga	360
caccaaaactg gccaatcaat	tcagaagttg actggccatc	ttcctgtgt tcagtcat	420
tgtttaaaaa ctgcgttgc	ccagatttgg ctatgttacc	aaggtttta accaactctt	480
ctcggttatt cctacaccgn	tgtctgtgac atgcagcagg	ttcttcttctt tacacactt	540
aattttgact tgttagtctt	catttccaga aagagcattt	tcatcagtcgt gtatattag	600
ccttatctta tctaaagcat	caaaaagcaat tgaaatcagt	tctctcaaga aaatctttt	660
atttttatac aggaatttgg	gataggttca tcattctgtt	aactccgtt ggaaggcaac	720
ttttccgact ctctctaagt	ctctaattgg gagcattaaa	tcatcaactg atagtttctt	780
ctttctcgga ctacttcata	tcccggccott gactttctt	ctttccccca aaccctttt	840
ttgcccattcc cataacttaa	ttgcagctg accgaccgaa	gtaanaggac ccaaaggccc	900
aaccccccagg cccctttggg	tgccggcgaa attatcacct	ctaattcaggg ccccttggc	960
caatttgccc gggccaaatc	ttattggggg ttaaaaaaaaa	attttattgt ttggggaaag	1020
ttccccccatc cccaaaaacc	ccggaaaagg gaaggggggc	gttagggaa caatattggc	1080
tcctcccton cccaaaancc	ccgcctattta aaaccggga	ggaaangtn ttccctctcc	1140
tctcaccccn c			1151

Homo sapiens phosphoserine aminotransferase (PSA) mRNA, complete cds.

ccttggctga ctcacccccc	tcgcccgcgc accatggacg	cccccaggca ggtggtaaac	60
tttgggcctg gtccccccaa	gtcgccgac tcagtgtgt	tagagataca aaaggaatta	120
ttagactaca aaggagttgg	cattagtgtt cttgaaatga	gtcacaggtc atcagatttt	180
gccaagattttaa	ataacatac agagaatctt	tgctagctgt tccagacaac	240
tataaggtga tttttctgca	aggaggtggg tgccggccagt	tcagtgtgt ccccttaaac	300
ctcattggct taaaaagcagg	aagggtgtcg gactatgtgg	tgacaggagc ttggtcagct	360
aaggccgcag aagaagccaa	gaagtttggg actataaata	tcgttcaccc taaacttggg	420
agttatacataa aaattccaga	tccaaagcacc tggaacctca	acccagatgc ctcctacgt	480
tattatttgcg caaatgagac	ggtgcattgtt gtggagttt	actttatacc cgatgtcaag	540
ggagcgtac tggtttgtga	catgtccctca aacttccgt	ccaagccagt ggatgtttcc	600
aagtttgggt tgattttgc	ttgtgccccag aagaatgtt	gctctgttgg ggtcaccgtg	660
gtgattgtcc gtgatgacct	gttggggttt gccctccgag	agtgcctc ggtcttgaa	720
tacaaggtgc aggctggaaa	cagtccttg tacaacacgc	ctccatgttt cagcatctac	780
gtcatggcgt tggttctgga	gtggattaaa aacaatggag	gtgccgcggc catggagaag	840
cttagctcca tcaaatttca	aacaattttag gagattattt	ataattctca aggattctac	900
gtgtctgtgg gaggcatccg	ggcctctctg tataatgtt	tcacaatgtt agacgttcag	960
aagctggccg cttcatgaa	aaaatttttg gagatgcac	agctatgaac acatcctaacc	1020
caggatatac tctgttcttg	aacaacatac aaagttaaa	gtaac	1065

Homo sapiens cDNA clone:ADBAPE04, 5'end, expressed in human adrenal gland..

aaagaaaactg	gttggttta	agaaaatagt	ttcaagaagt	tcaactatat	tcttttagat	60
attatgtatt	gttttactct	gattaggta	ctgtgatagg	catttattca	tattctttct	120
ataccactgt	cattaatata	ttaaaaagat	gtatgtgtta	gactatcgaa	agggccttat	180
tctctcttc	tcatagactg	accttctttt	ggaattctg	agtcatttat	tttccttagc	240
tttttccact	caaattaagg	gcaagcggaa	aagtaataat	tcggcattct	ttaagcctac	300
agaatgtgat	tcttcactt	ggtttattaca	ctggctcggt	gacagaacat	tttggaaaagt	360
gaaagattta	tttttgtaaa	agatttgtct	ttactttcg	aagcattatt	cttttaaaga	420
gtggtttact	tcaacgattg	aaacattttc	ctattaaaat	ttcattgtta	gaatcacagg	480
agcgcaaaaaa	tggAACGGTT	gattgaaatn	tactcttct	gtgaagaaaa	tcacagagtt	540
gttgcctcg	tgttagttgg	ggggccccgt	gcatggatgc	cttgccaat	gggttcatgt	600
gccacacaaa	gcaaacagat	ctgcatcgat	cgcaatttct	tgtgaacacg	gattgcatgt	660
ccatatccct	ttgcaggatt	taaaatatTT	aaaatggcct	gccttgagtg	cgatgagcca	720
acttgcctac	tggactccac	ctgggtgacc	aat			753

wd68f02.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:2336763 3', mRNA sequence.

tttctgtaca atacacattt attgagcaact agatatatgc catgctagat gcaggtgacc	60
cagaggcatca aggagaata gtctgggtgc agagacacac acaaatgtcac tgttatgtat	120
taaaggcagtc agcaaatagat gcagctcagg gcactgtggg gatatccaga ggacacagtac	180
cttctgcctg tcagtcaggg agggagagga gcacaggctg aaggagactg gaagacagca	240
gttgcctct gatagtggga ctggagagag atttctaagg gccacttctt gtttcaggg	300
actaggttgg gctagatatg gggctcagga tggacaaggc ttagagccag gttggagaag	360
atgaaagagc attactagag gagtggggag gcctaggcta tgctcttac tctgccattg	420
actgcgtgat cttgggcagg ocatgttaacc tctcaggct gtgcactccc ttatttgtaa	480
aactagaggg ctgggccagc atgtttt	507

H.sapiens LU gene for Lutheran blood group glycoprotein.

agtctccgtc	ggcgccgtga	acatggagcc	ccggacgc	ccggcccagg	cgcgcggggc	60
cccgccggctg	ctgttgcgtc	cagtccgtc	ggcgccgc	ccagatgccc	aggcgagggt	120
gcgcgtgtct	gtacccccgc	tggtgaggt	gatgcgagga	aagtctgtca	ttctggactg	180
cacccttacg	ggaacccacg	accattata	gctgaatgg	ttccttaccc	accgctcg	240
agctcgcccc	cgccttagct	cggtcgat	gcagggtct	gagctccagg	tcacaatgca	300
cgacaccgg	ggccgcagtc	ccccatacca	gctgactcc	caggggcgc	tggtgcgtc	360
tgaggccccag	gtgggcgacg	agcgagacta	cgtgtcg	gtgaggcag	gggggcagg	420
caactgttag	gccactgcgc	ggctcaaac	gtttgaaag	ccagaggcca	ctgaggctc	480
ccccaaacaaa	gggacactgt	ctgtgtatg	ggactctg	caggagatcg	ccacctgcaa	540
cagccggaa	gggaacccgg	ccccaaagat	cacgtgtat	cgcaacgggc	agcgcctgga	600
gttgccgt	gagatgaacc	cagaggcata	catgaccgc	cgcacgg	gggaggc	660
gggcctgtc	tcctcacca	gcaccctcta	cctgcgg	cgcaaggatg	accagacgc	720
cagcttccac	tgcgcggccc	actacagct	gcccggggc	cgccacgg	gcctggacag	780
ccccaccc	cacccatccc	tgcactatcc	cacggacac	gtcagt	gggtggcag	840
cccgccac	ccagcaggct	gggtacgcg	gggtgacact	gtccagctc	tctgcgggg	900
ggacggcagc	cccagccgg	agtatacgt	tttccgc	caggatgagc	aggaggaagt	960
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gacctatggc	tgcagagtgg	aggattacga	cgcgcagat	gacgtgc	tctcaagac	1080
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tatcaccc	gattccaat	gcacccat	atgtgagg	tccctgc	cagtccgg	1320
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gtctgacact	ggattcccc	ccctcaccc	gccc	ccactc	ccccccct	2340
cctccgcccc	acccatcat	ctgtgg	tgagg	ataaaat	gttgcaca	2400
tc						2402

Homo sapiens mRNA for calmegin, complete cds.

cgccggcggg	actggctgaa	agagacgcgg	ggacaaagtgc	caacgcactt	ggacatctga	60
gctgtcactg	ccgaaaacag	gccgcaagag	agataatcaa	tatgcatttc	caaggccttt	120
ggctatgtt	gggtcttctg	tcatctcaa	ttaatgcaga	atttatggat	gatgtatgtg	180
agacggaaga	ctttgaagaa	aattcagaag	aaattgtatgt	aatatgtaa	gaactttct	240
cagagattaa	atataagaca	cctcaaccta	taggagaagt	atatttgca	gaaacttttg	300
atagtggaa	gttggctgga	ttggctttat	caaaagcaaa	aaaagatgac	atggatgagg	360
aaatttcaat	atacgtatgg	agatgggaaa	ttgaagatgt	aaaagaaaaac	cagttacatg	420
gtgacagagg	actggatata	aatcttagag	caaagcatca	tgcaatatact	gtgttattag	480
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ttggaaaactt	ttatgataaa	acatcctata	tcattatgtt	tggaccagat	aatgtggag	660
aagattataa	acttcatttt	atcttcagac	ataaacatcc	caaaacttgg	gttttgcgaa	720
agaaaacatgc	caaacctcca	gatgttagacc	ttaaaaaagt	ctttacagac	aggaagactc	780
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ttgaagatcc	caatgataaa	aaacctgagg	aatggatga	aagagaaaa	attcctgatc	960
cttctgcgcgt	caaaccagaa	gactggatg	aaagtgaacc	tgcccaata	gaagattcaa	1020
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aagcagatga	gagcacagga	tctggagatg	ggccgataaa	gtcagttacgc	aaaagaagag	1920
tacgaaagga	ctaaactaga	ttgaaatatt	ttaattccc	gagaggatgt	ttggcatttgt	1980
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agttgtttgc	ttaaattata	gattccttta	aggacatgcc	ttgttcataa	aatcactgg	2520
ttatattgc	gcattttta	catttgaata	caagataat	gggtttatc	aaaacaaaaat	2580
gatgtacaga	tttttttca	agttttata	gttgcattt	gccagatgg	tttacccat	2640
tcacaaaaatt	tcttatgc	acattgcata	tgaaaataaa	atttaaatat	tttttcatcc	2700
					tgaaaaaaaaaa	2710

wx78h04.x1 NCI_CGAP_Ov38 Homo sapiens cDNA clone IMAGE:2549815 3', mRNA sequence.

agcaatttga atcatttctt gaaaaacaaa cacagacaaa caccacat ggagttggtg	60
ccggcgccg ggcataaggg cagcacccca cgggtggctg tgcggggggc cgctgggtgt	120
ggccggggccc tgtgtgcctg tgcagggggc cagtcctcg gggactggcc caagaccccc	180
cactcagcgg gctgagccaa tgccctggccg agagggggcc gcagccagca ggcttgggtg	240
gctgcccgcg cccgcagggg acatcgggggaa atggggggca gagtgccggga cccacacgct	300
gcctgaggag tcttggcagg gtggacaggc ctgggggtct ctaccagcaa tgcaataaat	360
atgcaaatcc aagcacagaa agaccaagcg cagacccac gggcgcacga ggcccagccc	420
agttcctgcg ggcacggca ccaccggctc ttcacagacc aggagt	466

Human CD9 antigen mRNA, complete cds.

cgcgcccccc	agtccgcac	ccgttcggcc	caggctaagt	tagccctcac	catgccggtc	60
aaaggaggca	ccaagtgcat	caaatacctg	ctgttcggat	ttaacttcat	cttctggcctt	120
gccgggattt	ctgtccctgc	cattggacta	tggctccgat	tgcactctca	gaccaagagc	180
atcttcgagc	aagaaactaa	taataataat	tccagcttct	acacaggagt	ctatattctg	240
atcgaggccg	gcgcocctcat	gatgctggtg	ggctccctgg	gtgtctgcgg	ggctgtgcag	300
gagtcccagt	gcatgctggg	actgttcttc	ggctccctct	tggtgatatt	cgcatttgaa	360
atagctgcgg	ccatctgggg	atatcccac	aaggatgagg	tgattaagga	agtccaggag	420
ttttacaagg	acacctacaa	caagctgaaa	accaaggatg	agccccagcg	gaaaacgctg	480
aaagccatcc	actatgcgtt	gaactgctgt	ggtttggctg	ggggcgttga	acagtttattc	540
tcagacatct	gccccaaagaa	ggacgtactc	gaaaccttca	ccgtgaagtc	ctgtcctgtat	600
gccatcaaag	aggtcttcga	caataaattc	cacatcatcg	gcccgcgtgg	catccgcatt	660
gccgttgtca	tgatatttgg	catgatcttc	agtagtatct	tgtgtgtgc	tatccgcagg	720
aaccgcgaga	tggcttagag	ttagcttaca	tccctgagca	ggaaagtttta	cccatgaaga	780
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ccactaattt	tagtattcat	tctgcattgc	tagataaaag	ctgaagtttac	tttatgtttt	900
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aggtactata	tttgcttagac	tctagacaag	atattgtaca	taaaaagaatt	tttttgcctt	1080
taaatagata	caaatgtcta	tcaactttaa	tcaagttgtt	acttatattt	aagacaattt	1140
gatacataat	aaaaaattat	gacaaatgaaa	aaaaaaaaaa	aaaaaaaaaa	gg	1192

Homo sapiens cDNA clone:HEMBA1001328, 3' end, expressed in whole embryo,

gtagcctta	tttactaaa	catttatttg	cttcttagaa	ataagcgctt	tcctaatttc	60
aagcaattat	aaaagaactg	ctgttttctt	ccacactcac	ttgccagagg	gtcgaattgg	120
aagtacata	tatgtctatg	aacggaagg	aaaagggaaa	ttcaacatga	agatgaaatt	180
ctgaacttgc	ctagataat	taacattgt	gggtggaaat	attcagatgc	tgcttaataa	240
cttcggtaaa	cactggtaa	gattcatgga	acttagaaaa	aagctgtatg	aactgcttta	300
ccaaatatca	ctactgagga	aatgtataaa	ataccacata	gtataaaaatt	acatgttaat	360
ccaatgccag	atttaaata	aaggaccta	agtttcctc	aagggggaag	ttaatgggt	420
cnttcccgnt	ntcanagggc	aaaaanttc	ccaaggaaac	caggtagnaa	gctcttnaaa	480
ggccgcaaaa	t					491

Homo sapiens 7-dehydrocholesterol reductase, mRNA (cDNA clone MGC:1760 IMAGE:3507516), complete cds.

gtggaggcagc	gcccgcgaagc	gaggccaggg	gaagggtggc	gcaggactt	agccgggtga	60
gaaggatcaa	gcaggcattt	ggagcacagg	tgtctagaaa	cttttaaggg	gcccgttcaa	120
gaaggaaaag	ttecccttctg	ctgtgaaact	atctggcaag	aggctggagg	gcccataatggc	180
tgccaaatcg	caacccaaca	tccccaaagc	caagagtcta	gatggcgctca	ccaatgacag	240
aaccgcacatc	caaggcagtt	ggggccgtgc	ctggaggtg	gactggttt	cactggcgag	300
'tgtcatcttc	ctactgctgt	tcgccccctt	catgtctac	tacttcatca	tggcttgtga	360
ccagtagacgc	tgccgcctga	ccggccctgt	ggtgacatc	gtcaactggac	atgctcggt	420
ctcggacatc	tgggccaaga	ctccacat	aacgaggaaa	gcccggccagc	tctataccctt	480
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tcatctcctg	tcctgttct	cgccccacat	catttcgac	aactggatcc	cactgctgtg	720
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ttcatcttta tattaaactt cccctgttcaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaa	2580
aaaaaaaaaaa aaaaaaaaaaaa aaaaaaaa	2614

Homo sapiens squalene epoxidase (ERG1) mRNA, complete cds.

ctggtctgat cggaaccttc gtcctggac acagttact ggagtctgac cggtctccg	60
tgctcctttt ggtacccat tttggggaga acctaaacc cactcgacca gataatctcc	120
gccttgcaccc gtgcaccaa agaaggcttg gaaccatgtg gactttctg ggcattgcca	180
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gaaacggggg tctccctcggg cgccagcaga gcccgtccca ttccatccgc ttctcgata	360
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ttttttttt tttttttt tttttttt tttttttt tttttttt tttttttt tttttttt tttttttt	2199

Homo sapiens keratin 23 (histone deacetylase inducible), transcript variant 1, mRNA (cDNA clone MGC:26158 IMAGE:4838347), complete cds.

agggggaaat cctgagcgca ggccagggtt gtttggttt gaggtgtct gggatgaaag	60
gcaccctgga agtggaaaggtaaatgagcaa tggaaaaact tcacggcaag attagaaaaga	120
tacctgagcc caatacccgctgtatgtcggtggccacacc tccgggttac caggggaagg	180
gaggaagcaa actgtcatat tgatgtggctaaacaaca acagtgtgcg aaggcccagg	240
ggcactttgg gattgaccaa gaggaaacac aagttgcaca atgatacaat ctgttggta	300
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atgtgccaag tgacttcaat gtcaatgtga aggtggatac gggtcccagg gaagatctga	1140
ttaaggcct ggaggatatg agacaagaat atgagcttat aataaagaag aagcatcgag	1200
acttggacac ttggtataaa gaacagtctg cagccatgtc ccaggaggca gccagtccag	1260
ccactgtgca gagcagacaa ggtgacatcc acgaactgaa gcgcacattc caggccctgg	1320
agattgaccc tgcagacacag tacagcacga aatctgcattt ggaaaacatg ttatccgaga	1380
cccgactctcg gtactcctgc aagctccagg acatgcacaa gatcatctcc cactatgagg	1440
agaactgac gcagctacgc catgaactgg agcggcagaa caatgaatac caagtgcgtc	1500
tgggcatcaa aaccacactg gagaaggaaa tcaccacgtt ccgcggctc ctggagggag	1560
agagtgaagg gacacggaa gaatcaaagt cgagcatgaa agtgtttgca actccaaaga	1620
tcaaggccat aaccacagg accatcaacg gaagattgt tctttgtcaa gtgaatgaaa	1680
tccaaaagca cgcacatggac caatgaaagt ttccgcctgt tgtaaaatct attttcccc	1740
aaggaaagtc cttgcacaga caccagttag tgagttctaa aagataccct tggaattatc	1800
ajactcagaa acttttattt ttttttctg taactgtctc accagacttc tcataatgt	1860
cttaatatat tgcacttttc taatcaaagt gcgagttat gagggtaaag ctctactttc	1920
ctactgcagc cttcagattt tcatcatttt gcatctattt tgttagccaat aaaactccgc	1980
actagcaaaa aaaaaaaaaaa aa	2002

Homo sapiens translocon-associated protein gamma subunit mRNA, complete cds.

cctttgcccg	cttggcggcc	ggctctacgt	tccctgttct	cgcctgcagc	tccgcccattgg	60
ctccctaaagg	cagctccaaa	cagcagtctg	aggaggacct	gctcctgcag	gatttcagcc	120
gcaatctctc	ggccaagtcc	tccgcgtct	tcttcggaaa	cgcgttcatc	gtgtctgcca	180
tccccatctg	gttatactgg	cgaatatggc	atatggatct	tattcagtct	gctgttttgt	240
atagtgtat	gaccctaga	agcacatatt	tggtagcctt	tgcatacaag	aatgtgaat	300
ttgttctcaa	gcacaaaagta	gcacagaaga	gggaggatgc	tgtttccaaa	gaagtgactc	360
aaaaactttc	tgaagctgat	aatagaaaaga	tgtctcgaaa	ggagaaaagat	gaaagaatct	420
tgtgaaagaa	gaatgaagtt	gctgatttgc	aagctacaac	attttccatc	ttctataaca	480
acactctgtt	cctggcgtg	gtcattgttgc	cttccttctt	catattcaag	aacttcaacc	540
ccacagtgaa	ctacatatttgc	tccataagtg	cttcatcagg	actcatgcgc	ctcctgtcta	600
ctggctccaa	atagaccatg	tcagcttac	ccccctggctt	tgtgtctat	ggggccctgt	660
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gagccctttaa	aaaacccagc	agaatgttaat	tcagtttttgc	tttattggct	gttttttgac	780
agattgttga	aattaaatga	attgaaaagg	aaactcagag	tactaggacg	tttattaaaaa	840
ggaaaaaaaaat	gtcttgcatt	gtgctgtat	cacaagagga	aaaataact	tgtttcccttgc	900
atctgtcaga	ggtcacagta	acctggcccg	agctgttatt	atttattata	taatagtgt	960
agaagttaa	taactggttc	tctgttttcc	aagcacaata	ttacaacttc	tttgaacccg	1020
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cagccaaagg	agtaaacctaa	aaatagtgc	caggcatatg	agagttgtcc	tacgagggtta	1260
aagaacacac	tgttccactg	tatggcttgc	gcctgagttgc	ccagggaggt	caacttgacc	1320
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cacaccctgg	aggaatgtta	agtaagagaa	agaaaccttt	tcctgaatat	tgacatgtaa	1440
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tgatTTTGT	gcttgcagc	atttttccat	gaggacttgc	atacatttgc	ctcttttagtt	1560
cacagggttcc	cattgattgt	gagcaagata	tttatcttgc	tagcccttgc	gatccagct	1620
agagcaatct	cttgcattttt	tttacccgtg	tatgtacaga	tatcatttttgc	tgtgtatgcc	1680
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aggtgatagc	agttgtcatt	cagtaatttgc	ctacaagcag	caccccaaaag	gaaatatagt	1800
cctaatttttgc	actatccact	tctaaatttgc	atgtgaatttgc	catacatgtt	attagttgtt	1860
ttctttataaa	tttttataaaa	attattcatc	ggggagtttgc	tttccacttc	catgctatcg	1920
gatgtgttgc	gctccatgca	agaacttgc	agaaaaacag	gcaggaatgc	atttgcataa	1980
tgacccagat	catcattttc	tgcaacttgc	aattatatttgc	catcatttgc	tctagaagtc	2040
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agtgactaga	gaagtcatat	atcaacttgc	ggtacagttgc	gggtaacact	tttagagggtt	2160
attatttttgc	aaaaacttttgc	tttgcacttgc	tggccaaat	ggtaaaaccc	cgtctctact	2220
aaaaataccaa	aaatttagccaa	ggcgtgtatgg	tgggtgcctg	taatctcagc	tacttgggag	2280
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aaaagtttttgc	tttacttgc	gttaaaaaaaaa	aaagccagac	catagtttgc	ctgggtggcat	2460
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taaactgttgc	atttgttag	aaatgtgttgc	gcaaaaatttgc	tttacttgc	tgaatttttgc	2760
ctacagcact	gttttgcatttgc	tttgcatttgc	ccaaacttgc	gtactaata	atacatttgc	2820
gtgcataaga	ttataaagca	tataacttgc	tttgcatttgc	tttgcatttgc	tttgcatttgc	2880
gtgagtttttgc	tacttgc	aggatgttgc	tttgcatttgc	tttgcatttgc	tttgcatttgc	2940
ctgtgtggca	cacagagatg	cgacctactc	aatctgacttgc	agtaaaacca	tgctgttagaa	3000
tttttgcatttgc	aaaaagacca	cataccccc	accatgaaa	taaaagatttgc	atctgtaaaa	3060
a						3061

Homo sapiens malic enzyme 1, NADP(+)-dependent, cytosolic, mRNA (cDNA clone MGC:39115 IMAGE:4870714), complete cds.

gtcaccccccag	cagcatccgc	cgcctgcacc	gcgccgtgcgg	cccgccccgg	cctgaccccg
ccgcccgaacc	cgcgcccaac	catggagccc	gaagcccccc	gtcgccgcca	cacccatcag
cgccggctacc	tgcgtacacg	gaaccctcac	ctcaiaacaagg	acttggcctt	taccctggaa
gagagacagc	aattgaacat	tcatggattg	ttgccacctt	ccttaaacag	toaggagatc
caggttctta	gagtagtaaa	aaatttcgag	catctgaact	ctgactttga	caggtatctt
ctcttaatgg	atctccaaga	tagaaatgaa	aaactctttt	atagagtgt	gacatctgac
attgagaaaat	tcatgcctat	tgtttatact	cccaactgtgg	gtctggcttg	ccaacaatat
agtttggtgt	ttcggaaagcc	aagaggctc	tttattacta	tccacatcg	agggcataatt
gcttcagttc	tcaatgcatg	gccagaagat	gtcatcaagg	ccatttgtgg	gactgtatgg
gagcgtattc	ttggcttggg	agaccttggc	tgtaatggaa	tgggcattccc	tgtgggtaaa
ttggctctat	atacagcttgc	cggagggatg	aatcctcaag	aatgtctgcc	tgtcattctg
gatgtgggaa	ccgaaatga	ggagttactt	aaagatccac	tctacattgg	actacggcag
agaagagtaa	gaggttctga	atatgatgat	ttttggacg	aattcatgga	ggcagtttct
tccaagtatg	gcatgaatttgc	cattattcag	tttgaagatt	ttgccaatgt	aatgcattt
cgtctcctga	acaagtatcg	aaaccagtat	tgcacattca	atgatgatat	tcaaggaaca
gcatctgttgc	cagttgcagg	tctcatttgc	gtctttcgaa	taaccaagaa	caaactgtct
gatcaaaacaa	tactatttca	aggaggttgg	gaggctgccc	tagggattgc	acacacctgatt
gtgatggcct	tggaaaaaaga	aggtttacca	aaagagaaaag	ccatcaaaaaa	gatatggctg
gttGatttcaa	aaggattaat	agttaaaggga	cgtgtttccct	taacacaaga	gaaagagaaaag
tttgccttcatg	aacatgaaga	aatgaagaaac	ctagaagcca	ttgttcaaga	aataaaaacca
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atggctgcct	tcaatgaacg	gccttattatt	tttgcatttgc	gtaatccaac	tagcaaagca
gaatgttctg	cagagcagtgc	ctacaaaata	accaagggac	gtgcatttt	tgccagtggc
agtcccttttgc	atccagtca	tcttccaaat	ggacagaccc	tatatcctgg	ccaaggcaac
aattccttatg	tgttccctgg	agttgtctt	gggtgttgg	cgtgtggatt	gaggcagatc
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tttggaaagagg	gtcggcttta	tcctcccttg	aataaccatta	gagattttc	tctgaaaatt
gcagaaaaaaga	tttgaaaga	tgcataccaa	gaaaagacag	ccacagttt	tcctgaaccg
caaaaacaaaag	aagcatttgt	ccgctcccaag	atgtatagta	ctgattatga	ccagattcta
cctgattgtt	attcttggcc	tgaagagggt	cagaaaatac	agaccaaagt	tgaccaggtag
gataatagca	aacatttcta	actctattaa	ttaggtcttt	aaaccttca	taattttaa
aggttggaat	cttttataat	gattcataag	acacttagat	taagatttt	ctttaacagt
ctaaaaatttgc	atagaagaat	atcgatataa	attgggatataa	acatcacatg	agacaaaaaaa
aaaaaaaaaaaaaa	aa				

Homo sapiens livin inhibitor-of-apoptosis (LIVIN) mRNA, complete cds.

ccctgggata	ctccccctccc	agggtgtctg	gtggcaggcc	tgtgcctatc	cctgctgtcc	60
ccagggtggg	ccccgggggt	caggagctcc	agaaggcca	gctgggcata	ttctgagatt	120
ggccatcagc	ccccatttct	gctgaaacc	tggtcagac	cagtgttccc	tccatggac	180
ctaaagacag	tgccaagtgc	ctgcaccgtg	gaccacagcc	gagccactgg	gcagccggtg	240
atggtcccac	gcaggagcgc	tgtggacccc	gctctctggg	cagccctgtc	ctaggcctgg	300
acacctgcag	agcctggac	cacgtggatg	ggcagatct	ggggcagctg	cggccctgt	360
cagaggagga	agaggaggag	gggcgggggg	ccaccttgc	cagggggct	gccttccccg	420
gcatgggctc	tgaggagttg	ogtctggct	ccttctatga	ctggccgctg	actgctgagg	480
tgccacccga	gctgtggct	gtgccggct	tcttccacac	aggccatcag	gacaagggtga	540
ggtgcttctt	ctgctatggg	ggcctgcaga	gcttggaaagcg	cggggacac	ccctggacgg	600
agcatgcaa	gtggttcccc	agctgtca	tctgtctcc	gtcaaaagga	agagactttg	660
tccacagtgt	gcaggagact	oactcccac	tgctgggctc	ctgggacccg	tggaaagaac	720
cggaagacgc	agcccctgtg	gccccctccg	tccctgcctc	tgggtaccc	gagctgccc	780
cacccaggag	agaggccag	tctgaaaatg	cccaggagcc	aggagccagg	gatgtggagg	840
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tgtgccccat	ctgcagagcc	cccgccggca	gccgcgtgcg	caccttcctg	tccttaggcca	1020
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ggactgtgtt	ctgggcctgc	tgaggatggc	agactgtgt	tccatccagc	actgaccagc	1140
cctgattccc	cgaccacccgc	ccagggtgga	gaaggaggcc	tttgttggc	gtggggatg	1200
gcttaactgt	acctgtttgg	atgcttctga	atagaaataa	agtgggttt	ccctggaggt	1260

Homo sapiens drebrin 1, transcript variant 1, mRNA (cDNA clone MGC:1517
IMAGE:3356428), complete cds.

ccgaggcgcc	ggcgccgact	ccctttcc	ctccctcc	ctccgtccgc	ccgtccgtcc	60
ggcgctctgt	cggttcggcc	cggtccggcc	cgaagcatgg	ccggcgtag	cttcagcgcc	120
caccgcctgg	agctgtggc	ggcttacgag	gaggtgatcc	gagaggagag	cgccggccgac	180
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gggggcttc	aggagcttcc	gggacactt	gagaaccaga	aggtgtatgt	cggcttctgc	300
agtgtcaagg	actcccaga	tgctctgc	aaatacgtgc	tcatcaactg	ggtggggcgaa	360
gatgtgcctg	atgcccaca	gtgcgttgt	gccagccacg	tggctaaggt	ggcagagttc	420
ttccagggtt	tcgacgtat	cgtgaacgccc	agcagcgtgg	aagacataga	cgcgggtgccc	480
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cggctgcag	aggatgagaa	cgcagagccc	gtggccacca	cctaccagaa	gacggatgca	600
gtgtgtggaa	tgaaggcgat	taaccggagag	cagtcttggg	agcaggccaa	gaaggaagaa	660
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gagcagcaga	tcgaggagca	caggagaaaa	cagcagactt	tagaaggcgga	agaggccaa	840
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atgaagaagt	cagagtgg	gttggaggag	gcagcagct	ttattgc	gcgcctgac	960
aacccaaagg	agttcttcaa	gcagcaggaa	agatcgc	cggcctctgc	ggcagctgt	1020
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gcccactc	ccatccccac	gccccccccc	tctgacttca	gcaccgc	caccctgtc	1140
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gcccctcccc	ggggccagg	cagcccttca	gaggacttga	tgttcatgga	gtctgcag	1380
caggctgtcc	tggctgtcc	cgtggagct	gccacagct	acgcccacgg	gttccacat	1440
gcagctgaca	ccattgaaac	tgacacttgc	actgctgaca	ccactgttgc	caacaacgta	1500
ccccccgc	ccaccagct	cattgaccta	tggcttggca	acggggaa	ggcttccaca	1560
ctccagggtt	agccccagg	ccccacgc	cccttggta	ctgagg	cctggcag	1620
gtccccctgc	tggatgagg	ggctccggag	ccactgtc	cagcaggcg	aggctgtgc	1680
acccttctca	actttatgt	gctgttgc	ccggcagcc	ccttctgt	cccaaggaa	1740
gtggaaagg	agcccttgc	tggccccc	accccaact	tggcttgc	ccttggag	1800
ctggagcaag	agcaggagcc	ggagcccccac	ctgctaacc	atggcgagac	caccagaag	1860
gaggggaccc	aggccagt	ggggtactt	agtcaatc	aggaggagga	gttgc	1920
tcgaaagac	tctgtccaa	ggctccgc	cctgtttt	acaacaagcc	tccagagatc	1980
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ctggccagac	ggcccgccgt	gcctgcatt	gcagcagct	cgcctggac	ccactccg	2160
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tttcttctt	ttttaaaat	tgataggaga	cttgc	tgactgg	tcctctcg	2280
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ggagctctg	gtggaaaat	gtccccacc	tcttttctt	tttttatgtt	tcttggaa	2460
atatactt	gtattctctg	tccagggtt	cagatattt	gcacgaattt	taaaacatgg	2520
caataaatgg	ctcggtggct	ctggcaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2580
aaaaaaaaaa	aaa					2593

Homo sapiens MDS019 (MDS019) mRNA, complete cds.

ctgccagggg gaggccccca gagaaaaacca gaaagagggt gagagactga ggaagataaa	60
gcgtcccagg gcctoctaca ccagcgctg agcaggaagc gggaggggcc atgactacga	120
ggccctggga ggtcaactta gggagggctg tcctaaaacc agaagcttgg agcagaaaagt	180
gaaaccctgg tgctccagac aaagatctta gtcgggacta gccggccaag gatgaaggcct	240
cacttcagaa acacagtggc gcaaatgtat cgagacacat tctcctacaa cttttataat	300
agacccatcc ttctctgtcg gaataccgtc tggctgtct acgaagtggaa aacaagggt	360
ccctcaaggc cccctttggc cgcaaaagatc ttcgaggcc aggtgtattc cgaacttaag	420
taccacccag agatgagatt ttccacttg ttcagcaagt ggagaaagct gcacgtgac	480
caggagtatg aggtcacccg gtacatatcc tggagccct gcacaaaatg tacaaggat	540
atggccacgt tcctggccga ggaccgcag gttaccctga ccatcttcgt tgccgcctc	600
tactacttct gggacccaga ttaccaggag gcgottcgcg gcctgtgtca gaaaagagac	660
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ttcgtgtaca gccaaagaga gctattttag ctttggataa atctgcctaa atattatata	780
ttactgcaca tcatgctggg ggagatttcc agacactcga tggatccacc cacattcact	840
ttcaacttta acaatgaacc ttgggtcaga ggacggcatg agacttacct gtgttatgag	900
gtggagcgcgca tgccaaatga cacctgggtc ctgtgtgaaacc agcgcagggg cttctatgc	960
aaccaggctc cacataaaaca cggtttcott gaaggccgc atgcagagct gtgttcctg	1020
gacgtgattc cttttggaa gctggacotc gaccaggact acagggttac ctgttcacc	1080
tcctggagcc cctgcttcag ctgtgcccag gaaatggcta aattcatttc aaaaaacaaa	1140
cacgtgagcc tgtcatctt cactgcccgc atctatgtat atcaaggaaat atgtcaggag	1200
gggctgcgca ccctggccga ggctggggcc aaaattcaa taatgacata cagtgaattt	1260
aagcaactgt gggacacctt tgtggaccac caggatgtc cttccagcc ctggatgga	1320
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aactgaaggc tgggcctcag tctctaaggc aggagagac ctgggtttag cctcagaata	1440
aaagatcttcc ttccaagaaa tgccaaacagg ctgttcacca ccatcttcag ctgtatcacag	1500
acaccagcaa agcaatgcac tcctgaccaa gtatgttctt taaaaatttta gatgtcatta	1560
cttgaatca aaaattttat tatatttcaa gaataaaagta ctaagattgt gctcaataca	1620
cagaaaaagtt tcaaacc tacatccagcg acaatttgaatcggttttgg aggttagagga	1680
ataaaaatgaa atactaaatc tttctgtaaa aaaaaaaa	1717

Human carnitine palmitoyltransferase I mRNA, nuclear gene encoding mitochondrial protein, complete cds.

ccgcgcaccc	atctcccccc	gtccttaggtg	ccgaccaacc	cccaggatgg	cggaagctca	60
ccaggccgtg	gccttcagt	tcacggtgac	cccagacggg	gtcgacttcc	ggctcagtcg	120
ggaggccctg	aaacaacgtct	acctgtctgg	gatcaactcc	tggaagaaac	gcctgatccg	180
catcaagaat	ggcatcctca	ggggcgtgtt	ccctggcage	cccaccagct	ggctggtcgt	240
catcatggca	acagtgggtt	cctcccttcgt	caacgtggac	atctccttgg	ggctggtcag	300
ttgcatccag	agatgcctcc	ctcaggggtt	tggcccctac	cagaccccccgc	agacccgggc	360
acttctcagc	atggccatct	tctccacggg	cgtctgggtt	acgggcatct	tcttcttcgg	420
ccaaacctg	aagctgcttc	tctgtctacca	tgggtggatg	tttgagatgc	atggcaagac	480
cagcaacttgc	accaggatct	gggctatgtt	tatccgcctt	etatccagcc	ggcacccstat	540
gctctacagc	ttccagacat	ctctgccccaa	gcttcctgtt	cccagggtgt	cagccacaat	600
tcagcggta	ctagagtctg	tgcccccctt	gttggatgtat	gaggaatatt	accgcatttgc	660
gttgctggcc	aaagaattcc	aggacaagac	tgccccccagg	ctgcagaaat	acctgggtct	720
caagtcatgg	tgggcaagta	actatgttag	tgactgggtt	gaagagtaca	tctacccctcg	780
agcaggaggc	cctctcatgg	tgaacagcaa	ctattatgtc	atggaccccttgc	tgctcatcaa	840
gaatacagac	gtgcaggcag	cccgccctggg	aaacatcatc	cacgcctatgc	tcatgtatcg	900
ccgtaaactg	gaccgtgaag	aaatcaagcc	tgtgtatggca	ctgggcata	tgcctatgttgc	960
ctcctaccag	atggagagga	tgttcaacac	cactcgatc	ccgggcacagg	acacagatgt	1020
gctacagcac	ctctcagaca	gccggcacgt	ggctgtctac	cacaaggggac	gettcttcaa	1080
gctgtggctc	tatgagggcg	cccgctctgt	caagcctcag	gatctggaga	tgcagttcca	1140
gaggatctg	gacgacccttgc	ccccacctca	gcctggggag	gagaagctgg	cagccctcac	1200
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aaaagcagac	ctgcgagatc	tcttccagaa	ggctgtcta	aagcaccaga	atatgtaccg	1980
cctggccatg	accggggcag	ggatcgtac	gcaccccttc	tgcctttact	ttgtctccaa	2040
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gaacgcccag	cgctttggaa	accacatccg	caaagccctg	ctggacatttgc	ctgatcttt	2340
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gaggccctcc	ccctccccca	gctcagacca	cagaggtggc	aagagaaggg	ctgaagctgg	2460
aagactgttc	atgaggact	tgtgtgac	gttttgaat	gtgtacttgc	gtgagtgac	2520
gtaggctctg	agatagctgt	ccacgcccac	gtgtttgttgc	ggaataata	cttgc	2576

Homo sapiens prostate differentiation factor mRNA, complete cds.

agcgtttaaa	cttaagcttg	gagttatttc	caccatgccc	gggcaagaac	tcaggacgct	60
aatggctct	cagatgtcc	tggtgttgc	ggtgtctcg	tggctgcgc	atgggggcgc	120
cctgtctctg	gccgaggcga	gccgcgcaag	tttccccgg	ccctcagagt	tgcactccga	180
agactccaga	ttccgagagt	tgcggaaacg	ctacgaggac	ctgctaacc	ggctgcgggc	240
caaccagagc	tgggaagatt	cgAACACCGA	cctcgcccc	gccccctgcag	tccggatact	300
cacGCCAGAA	gtgcggctgg	gatccggcgg	ccacctgcac	ctgcgtatct	ctcgggccgc	360
ccttccttag	gggctcccc	aggcctcccg	cttcacccgg	gctctgttcc	ggctgtcccc	420
gacggcgtca	aggtcggtgg	aacgtgacacg	accgctgcgg	cgtcagctca	gccttgcaag	480
accccaggcg	cccgcgctgc	acctgcgact	gtcgccgcgg	ccgtcgca	cgaccact	540
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cagggggcgc	cgcagagcgc	gtgcgcgca	cgggaccac	tgtccgcctcg	ggcccgggcg	660
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gctgtcgcca	cgggaggtgc	aagtgaccat	gtgcacgcgc	gcgtgcgg	gccagttccg	780
ggcggcaaac	atgcacgcgc	agatcaagac	gagcctgcac	ccctgaagc	ccgacacgg	840
gccagcgccc	tgtgcgtgc	ccgcccagcta	caatccatg	gtgctcat	aaaagaccga	900
caccgggtt	tgcgtccaga	cctatgtat	ttgttagcc	aaagactgcc	actgcatat	960
aactagtact	aagccgaatt	ctgcagat	cc			992

Homo sapiens amphiphysin II mRNA, complete cds.

ccgggcgagg	cctgcgccgc	gatggcagag	atggcagta	aagggtgac	ggcgggaaag	60
atcgccagca	acgtgcagaa	gaagctcacc	cgcgccgagg	agaaggctct	ccagaagctg	120
gggaaggcag	atgagaccaa	ggatgagcag	ttttagcagt	gcgtccagaa	tttcaacaag	180
cagctgacgg	agggcacccg	gtcgcagaag	gatctccgga	cctacctggc	ctccgtcaaa	240
gccatgcacg	aggcttccaa	gaagctgaat	gagtgtctgc	aggaggtgta	tgagccccat	300
tggcccccgc	gggatgaggc	aaacaagatc	gcagagaaca	acgacctgt	gtggatggat	360
taccaccaga	agctggtgg	ccaggcgctg	ctgaccatgg	acacgtacct	ggccagttc	420
cccgacatca	agtcaegcat	tgccaaagcgg	gggcgaagc	tggtgacta	cgacagtgcc	480
cggcaccact	acgagtccct	tcaaactgcc	aaaaaaaagg	atgaagccaa	aattgccaag	540
cctgtctcg	tgcttgagaa	agccgcccc	cagtggtgcc	aaggcaact	gcaggtctat	600
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aagggtttt	aggagatgaa	tgtggatctg	caggaggagc	tgccgtccct	gtggAACAGC	720
cgcgttagtt	tctacgtcaa	cacgttccag	agcatcgccg	gcctggagga	aaacttccac	780
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cacgggagca	acacccctac	ggtcaaggcc	cagcccgatg	acaacgcgccc	tgccaaagggg	900
aacaàgagcc	tttcgcctcc	agatggctcc	cctggccca	cccccgagat	cagactcaac	960
cacgàgcccag	agccggccgg	cgggggccacg	cccggggcca	ccctcccaa	gtccccatct	1020
cagctcg	ggg	aaaggcccacc	agtccctccg	cctcccaa	acaccccg	1080
aaggcagga	g	agatcctcag	cctgttttag	gacacgttt	tccctgagat	1140
acccctccc	agttttagggc	ccccgggcct	ttctcgagc	aggccagtt	gctggacctg	1200
gactttgacc	ccctcccgcc	cgtgacgagc	cctgtgaagg	cacccacccc	ctctggtcag	1260
tcaattccat	gggacctctg	ggagcccaca	gagagtccag	ccggcagcc	gccttccggg	1320
gagcccagcg	ctgcccgggg	cacctttgt	gtgtctggc	ccagccagac	ggccgagccg	1380
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ccccaggagc	cagggagac	ggcggcaagt	gaagcagcc	ccagctct	tcctgtgtc	1500
gtggtgtgaga	ccttcccgac	aactgtgaat	ggcacccgtgg	agggcggcag	tgggggccggg	1560
cgttggacc	tgccccccagg	tttcatgttc	aaggatcagg	cccagcacga	ctacacggcc	1620
actgacacag	acgagctgca	gctcaaggct	ggtgatgtgg	tgctggat	cccttccag	1680
aaccctgaag	agcaggatga	aggctggctc	atggcgtga	aggagagcga	ctgaaaccag	1740
cacaaggagc	tggagaagt	cgtggcgtc	ttccccggaga	acttcactga	gagggtccca	1800
tgacggccgg	gcccaggcag	cctccggggc	tgtgaagaac	acctccccc	aaaaaatgtg	1860
tggttcttt	ttttgtttt	ttttcgttt	tcatctttt	aagagcaag	ggaaatcaag	1920
aggagacccc	caggcagagg	ggcgttctcc	caaagattag	gtcgtttcc	aaagagccgc	1980
gtccggcaa	gtccggcg					1998

602149641F1 NIH_MGC_81 Homo sapiens cDNA clone IMAGE:4290707 5', mRNA sequence.

ggcttctggc	aatgttagatt	tagttgacgc	tccccaaagt	gcatgagaca	catgctaaaa	60
ttacaaaatta	aaatttgggt	cagacttggc	ataatgatag	actcaattta	gctctctgaa	120
ctagtggtaa	ttttttttt	ttaattccc	acttggcggt	tggtgtacat	tcaaataaaa	180
tgagaagtgt	gtatgtgcac	caaaccacaa	gaaactttct	ttaagtgggt	ttaaagagga	240
aagacctaga	atccaagcg	tgttacattt	aaaatggtaa	cagagcagcg	tgcttccacc	300
tttcagatat	agatgtggaa	accacagcag	aagttataga	gcgacaactt	atatacacac	360
ctagaaggta	agttaaacaa	aataccggct	tccagagacc	cctttctcc	agccatattta	420
catcaggcta	gaagtaattt	aggtggattt	atttcatcta	caagcagttt	gtccctaagt	480
gaaaggctct	gttggaaaac	aaaacggacc	aaacagtgt	gggaaaaattt	tccatgtgt	540
tctgtgaagc	ttatgtggta	cacgtggccc	atttctaattt	ttctctgggg	ggagcggcca	600
cagacctgtg	ttcgggtgaa	cctcttaattt	cctgagtctt	taccaataca	gttcctgggg	660
gcccggggaa	cgccttggat	atgccaggtc	agaaaaggggg	ctcgatatgg	gttgcggcagt	720
tctctggggca	ccttgcattt	aaacacccct	catttttgc			759

Human global transcription activator homologous sequence mRNA, complete cds.

caagactgga	agcagagaga	gagagcaaga	gtgagagaga	gcgagcggagc	gtagtcagga	60
gatgggtttt	tattccagga	aaaaaacgtt	tcttcatttc	aactcaaact	tgctgctaaa	120
gcgcctaaat	ctgaaaagga	aatggaccca	gaatatgaag	agaaaatgaa	agccgaccga	180
gcaaagagat	ttgaattttt	actgaagcag	acagaacttt	ttgcacattt	cattcagcct	240
tcagcacaga	aatctccaaac	atctccactt	aacatgaaat	tgggacgtcc	ccgaataaaag	300
aaagatgaaa	agcagagctt	attttctgt	ggagactacc	gccataggcg	cacagagcaa	360
gaagaagatg	aagagactact	gtctgagagt	cggaaaacat	ctaatgtgt	tattagattt	420
gaggtgtcac	cttcatatgt	aaaaggggggg	ccactgagag	attatcagat	tcgaggactg	480
aattgggtga	tctcttata	tgaaaatgga	gtcaatggca	tttgggtgt	tgaatgggc	540
cttggaaaaa	ctttacaaac	aattgtttt	cttggattacc	tgaaacacta	ccgaaatatt	600
cctggaccc	acatggttt	agttccaaag	tctactttac	acaactggat	gaatgaattt	660
aaacgatggg	tcccacatct	ccgtgtcatt	tgtttgtcg	gagacaagga	tgcagagct	720
gcttttattt	gtgatgaaat	gatgccagga	gagttggatg	tttgcgttac	ttcttatgag	780
atggtaatta	aagaaaaatc	tgtattcaaa	aagtttcaact	ggcgataacct	ggtcattgtat	840
gaagctcaca	gaataaaagaa	tgaaaaatct	aagctttca	agattgttcg	ttagttcaag	900
tcgactaacc	gcttgcctt	aactggaaaca	ccttgcaga	ataacctgca	tgaactgtgg	960
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attctgatgc	agcttcgaaa	gtgttgtat	catccatatac	tgtttgtatgg	tgctgaacct	1320
ggtcaccc	ataccactga	tgagcatatt	gtcagcaaca	gtggtaaaat	ggtagttctg	1380
gataaaactat	tggccaaact	caaagaacag	ggttcaaggg	ttctcttattt	cagccagatg	1440
actcgcttgc	tggatatttt	ggaagattat	tgcattgtggc	gtgggtatga	gtattgtcg	1500
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attctggaaa	gagggaaaaa	gaagactgca	gagatgaatg	aacgcctgca	aaaaatggga	2040
gagtcttctc	taagaaattt	tagaatggac	attgaacaaa	gtttatacaa	atttgaggga	2100

gaagattata	gagaaaaaca	gaagcttggc	atggtggaat	ggattgaacc	tcctaaacga	2160
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caaaaaaaga	ttgatggagc	tgaaccttt	acaccagaag	agactgaaga	aaaggaaaaaa	2460
cttctcacac	aaggttcac	aaactggact	aaacagagatt	ttaaccagtt	tattaagct	2520
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cttgtgctga	ggtttttagct	tttctatgtt	ttatatgccc	ctgctttgaa	agagaaccta	3540
gattctata	ttgttattatt	tttgcatt	actttaaatt	tatatggctg	tggaaaaacg	3600
aattaaaaatg	ttttgaggag	aaagaaaaaa	aaaa			3634

tb60a01.x1 NCI_CGAP_Br15 Homo sapiens cDNA clone IMAGE:2058696 3' similar
to gb:M84739 CALRETICULIN PRECURSOR (HUMAN);, mRNA sequence.

tataacggctg cgagaagacg acagaagggg acagaggcaa gaaaagatgt tgatcaagaa	60
agatgagaac caggggtgag ggctgaagga gaatcaaaga taaaatacca gttaaaaaaaaa	120
aaaaaaaaaaa aaaaaaaaaagt cgtatcga	148

tu04d02:x1 NCI_CGAP_Pr28 Homo sapiens cDNA clone IMAGE:2250051 3', mRNA sequence.

tttttacaag	ggggaaaatt	atgtatttat	ttacacaaaat	atgcacagaa	cacttgtatc	60
tttcaaagt	cacacttaag	acatagtaaa	agcatgttgt	atgaaccatg	tattcttaag	120
gattgagcaa	actgcaggct	gcttgctgcc	tttaggttt	gctagtcct	gatctacttg	180
aaacagatgt	tgcttgc(ccc)	aacactagtt	taattataag	ggcagccgt	gagaagttt	240
caatagacat	tttctcacc	tatattgcac	gttttctga	agcccttggg	caagtgtgt	300
tgccatgtgt	agttctattt	acatataaac	gctactttaa	aagtttatca	aaatcatgag	360
tttttacaaa	agtttttaat	gctctctgc	attatatgt	gcattgcaaa	tctgcaaagt	420
agaaaaacta	taaagcacct	ttaggtttgc	accagttatt	acagaaatgg	ggatttgtga	480
aaaggatgta	atttgatgta	gaaggcaaa	gtccttaat	gactggcatt	caagaggatt	540
actaaaaaca						550

Homo sapiens mRNA for KIAA0895 protein, partial cds.

ccatggtagctt	cgggcgtgggt	gaaggcgctgc	tcacagtca	tgtcggta	tcttcgtccg	60
cccttaccct	ccttataccct	ctccaggt	cgaggagccg	cctcccccgg	cgccccggcc	120
accgaggccc	gggtcagagg	ctagaggccg	cccggccctg	cgccggccctt	tccctgagc	180
cccgccggcc	cgccggccctg	ggcctcgaaa	cgacatgt	ggatccatt	cgctgtacgg	240
aaaagctca	ctggcctgag	caagaactt	ctaagaagtc	tattctaaat	gcagaagatt	300
cattgatcat	tgacaacaaa	agaagcattt	cacatttt	ctcgggagtg	ctaaaagaca	360
ttttcacaac	tggaaaccagt	agtttacaat	tcctactaca	gagcaaggag	aaaaaaaagt	420
atcattcaca	aaaacagtct	tcctccac	actccaaaag	atgttagaaa	cccggaaat	480
ctcctaaccac	ttctcgtagc	aaagatcc	gcagatgaa	agccctgg	cctgtgacaa	540
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caagtcctgt	aaagttaca	catgatatct	ctgttacagg	aatggcata	gtactgcccac	660
ctaaacccaa	aagcaaggc	aagtgggt	atttctcc	tcttccaa	ccaaaggcctc	720
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ctgtataaa	acccaccaac	ttagaga	aaaaactgag	attcttcaaa	tctgactata	840
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cccgagcgtc	aatgacagta	gtaaatggat	gtccgact	gactatca	gtgtccact	1020
cacgtagca	ttggctgg	ggaatgctg	ggcatgaaat	aggtacacat	tattttcg	1080
gtattaacaa	cctccac	ccatggaa	gttggactgg	acgtaaaaaa	catgagctaa	1140
agccaaataa	tcccac	agggactag	caagcatt	cagtgtt	tttagaaaag	1200
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cttttgc	actctt	aatgg	ttatc	ggacccaa	acaagatgg	1320
attattgtgt	acgggca	agggatgg	ctgata	ccaaccagg	tgtttt	1380
aagaccagg	atacttgg	gaaattt	aaatcc	atacagag	accatagact	1440
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tatagtaatt	agcgtt	caaaca	taagct	ctccat	attaccag	1680
agtgca	agcacc	gatttata	agaaga	ctactt	tttctg	1740
agggtctt	gtattt	cgat	ttttag	gtta	tttcc	1800
aatatgtt	atagg	gggg	attt	tctg	atctc	1860
gatgaaaata	ctact	gt	gat	tca	tgata	1920
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tggagact	ctgaatt	cc	ttgc	ttat	tttata	2040
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atctcag	tctt	ttt	tttgc	tttgc	tttgc	2160
ttgaaaattt	ttcatta	ttt	tttgc	tttgc	tttgc	2220
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gctgaaacat	attgtt	tttgc	tttgc	tttgc	tttgc	2340
tccttataa	aaataa	tttgc	tttgc	tttgc	tttgc	2400
ggggaaaggc	tactcac	tttgc	tttgc	tttgc	tttgc	2460
actgac	tttgc	tttgc	tttgc	tttgc	tttgc	2520
catgtctg	aaaaa	tttgc	tttgc	tttgc	tttgc	2580
tggttcag	tat	tttgc	tttgc	tttgc	tttgc	2640
ttttaaaat	agagt	tttgc	tttgc	tttgc	tttgc	2700
catcag	tttgc	tttgc	tttgc	tttgc	tttgc	2760
ttaatgat	gaaaga	tttgc	tttgc	tttgc	tttgc	2820
acccaaag	gtct	tttgc	tttgc	tttgc	tttgc	2880
actggtag	atata	tttgc	tttgc	tttgc	tttgc	2940
atctttata	ggag	tttgc	tttgc	tttgc	tttgc	3000
aaagaagaat	gttgc	tttgc	tttgc	tttgc	tttgc	3060
accat	tttgc	tttgc	tttgc	tttgc	tttgc	3120
gccctg	cccaactac	tttgc	tttgc	tttgc	tttgc	3180
aggctgg	agactgt	tttgc	tttgc	tttgc	tttgc	3240

catgtatctc gttgttagcag agttgtgcac tttctcagca ttgtgttagtg ttttctaatt	3300
gcatctaaaa acttatcaaa agtgattgtg aaaacagtgt cttagaagta taaaacagaaaa	3360
tggcaatatt tatgtccctgt gattcaagcc caaaggttat aaattcaact ttcacaggga	3420
atagcactgc taatcttact ttatgattt aatataaagg aaaatcacag cagccttaat	3480
ttcctgttgg tcggatcatt tgcaagcagt ctagttcctg actttttaaaa tggatgaaat	3540
tttctctttg tctgatttgg aaaaggaact gctttttgc cttactgctt tggatataagg	3600
atgaaaaaca tgagcactct gcagacaaaa tgacccctaaa tcacattgtat taagatattt	3660
taaaagtttag cagtgaacca aaagttagtt cagatttagca gaaataaaga gctttaagtt	3720
ttaaaagttt agattgaata ttatgaaa gtttattaat tctttttcca ggaatagcag	3780
taaggtcagt tttttccct aaaataaaaaa gttttaataa acagaaaatt atagcaacag	3840
tacttaggag aatagtgtaa gattgttata atttttaatta taatagtat ttgtcatagg	3900
ctattgtatga tttagaatttc attagtttg tccactataa tttttttttt agttgtgtca	3960
aatacaaatt ctggtaaaact gtttaggttt aacaccagac agtattcaaa ggaatattaat	4020
gttgcaaac ataaatccat agtcttcatt tctttatatt gtcaccccttgg taaaagtgtt	4080
taaaatttgtt attgtttgtt ttgtatatct ttggcatct tgtgtctagc tataataaaaa	4140
agaaacggtg ccaag	4155

Homo sapiens NUCB2 protein (NUCB2) mRNA, complete cds.

caggtttgtg	cgctggacgc	aagcaccagg	cgcagcctcg	ctcgccgaga	ccggccaga	60
acgtgttacg	agtcatgttt	tagtgaaaaa	acattgagct	aggagccaag	accatctct	120
tcaactatTTT	ggtattgtgc	aagtcatTTT	acctctctgg	atctcagttg	tctcatctgt	180
aaaaggaga	taaaaattat	ttacctgct	gaacatgagg	tggaggacca	tcctgctaca	240
gtattgctt	ctcttgatta	catgtttact	tactgctctt	gaagctgtgc	ctattgacat	300
agacaagaca	aaagtacaaa	atattcaccc	tgtggaaagt	gcgaagatag	aaccaccaga	360
tactggactt	tattatgatg	aatatctcaa	gcaagtgatt	gatgtgtcg	aaacagataa	420
acacttcaga	gaaaagctcc	agaaagcaga	catagaggaa	ataaaagagtg	ggaggctaaag	480
caaagaactg	gatTTtagaa	gtcaccatgt	gaggacaaaa	cttgcataac	tgaaaaggca	540
agaagttagga	aggtaagaa	tgttaattaa	agctaagttg	gattcccttc	aagatataagg	600
catggaccac	caagctcttc	taaaacaatt	tgcataccta	aaccacctga	atcctgacaa	660
gtttgaatcc	acagatttag	atatgcta	caaagcggca	acaagtgtac	tggAACacta	720
tgacaagact	cgtcatgaag	aattttaaaaa	atatgaaatg	atgaaggAAC	atgaaaggag	780
agaatatttA	aaaacattga	atgaagaaaa	gagaaaaagaa	gaagagtcta	aatttgaaga	840
aatgaagaaa	aagcatgaaa	atcacccctaa	agttaatcac	ccaggaagca	aagatcaact	900
aaaagaggtt	tgggaagaga	ctgatggatt	ggatccta	gactttgacc	ccaagacatt	960
tttcaaatttA	catgtgtca	atagtgtatgg	attcctggat	gaacaagaat	tagaAGCCCT	1020
atTTactaaa	gagttggaga	aagtataatga	ccctaaaaat	gaagaggatg	atatggtaga	1080
aatggaaagaa	gaaaggcttA	gaatgaggga	acatgtatg	aatgaggatg	atactaacaa	1140
agacagatttG	gtgactctgg	aggatTTTT	gaaagccaca	gaaaaaaaaa	aattcttggaa	1200
gccagatagc	tgggagacat	tagatcagca	acagttcttc	acagaggaag	aactaaaaga	1260
atatgaaaat	attattgctt	tacaagaaaa	tgaactta	aagaaggcag	atgagcttca	1320
gaaacaaaaaa	gaagagctac	aacgtcagca	tgcataactg	gaggctcaga	agctggaata	1380
tcatcaggTC	atacagcaga	tggAACaaaa	aaaattacaa	ggaattcctc	catcaggGCC	1440
agctggagaa	ttgaagtttG	agccacacat	ttaaagtctg	aagtccacca	gaacttggaa	1500
gaaa						

Homo sapiens glucose-6-phosphate dehydrogenase, mRNA (cDNA clone MGC:8534 IMAGE:2822640), complete cds.

cacttcgggg ctgcgagcgc ggagggcgac gacgacgaag cgca	60
gcaggtggc cctgagccgg acccagggtgt gcgggatcct gcggaa	120
gatgcgtt ccatacgatcg gatacacaca tattcatcat catgggtgc	180
tggccaagaa gaagatctac cccaccatct ggtggcttt cgggatggc	240
aaaacacccat ctcgtggc tatgcccgtt cccgcctcac agtggctgac	300
agagtggcc cttcttcaag gccaccccg aggagaagct caagctggag	360
cccgcaactc ttagtggct ggccagtacg atgatgcgc ctcattaccag	420
gccacatgaa tgccctccac ctgggttcac agggcaaccg ccttctcac	480
ccccgaccgt ctacgaggcc gtaccaaga acattcacga gtcctgcattg	540
gctggAACCG catcatcgat gagaaggcct tcgggaggga ctcgcaggc	600
tgtccaacca catctccctc ctgttccgtg aggaccatg ctaccgcata	660
tggcaaggaa gatgggtcag aacctcatgg tgctgagatt tgccaacagg	720
ccatctggaa ccgggacaac atcgcctcg ttatcctcac cttcaaggag	780
ctgagggtcg cggggctat ttcatgttgc ttggatcat cgggacgtg	840
acctaactgca gatgtgtgt ctgggtggca tggagaagcc cgcctccacc	900
acgtccgtga tgagaaggta aagggttgta aatgcatttc agagggtcag	960
tggtcctggg ccagtacgtg gggAACCCG atggagaggg cggggccacc	1020
tggacgaccc cacggcgtccc cgggggttcca ccaccgcac tttgcagcc	1080
atgtggagaa tgagagggtgg gatgggtgc cttcatcttgc gctgcggc	1140
acgagcgcaa ggccgagggtg aggctgcagt tccatgtatg ggcggcgcac	1200
agcagtgcac ggcacacgag ctgggtgatcc gctgcagcc caacgaggcc	1260
agatgtatgac caagaagccg ggcatttttca tcaaccccgaa gtagtcggag	1320
cctacggcaa cagataacaag aacgtgaagc tccatgcgc ctagcgc	1380
acgtcttctg cggggccacg atgcacttcg tgccgcgc gggccgcac	1440
gtatttcac cccactgctg caccagattt agctggagaa gcccaagccc	1500
tttatggcag cggaggcccc acggaggcag acggactgtat gaaagagatg	1560
atgaggggcac ctacaagtgg gtgaaccccc acaagctctg agccctggc	1620
accccccggcca cggccaccct cttcccccgc gcccggccca gagtcggag	1680
ccattgaccc tggctgcaca ttccctggccc cgggtcttgc ccaccctggc	1740
ctgtgtctac taccggagcc cagctacatt ctcagctgc caagcactcg	1800
ggccccctcca gaccctgcct gagcccagga gctgagtcac ctccctccact	1860
caacagaagg aaggaggagg ggcgcatttc gtctgtccca gagttattt	1920
ctcaactctg agtggggcca ggggtggagg gagggacgag ggggggggggg	1980
cccacgtgag agaatctgcc tggggcttgc cccggcagcc tcagtgccac	2040
ttgttaccatg caacatctcg agcccccctgg atgtccccctg tcccaccaac	2100
atggccaccc cgtgcacacc gtaggcagcc tctctgttat aagaaaaagca	2160
ctgggacccc tcccaacccctc aatgccttcg cattaaatcc gcaaacagcc	2220
aaaaaaaaaaaa	2230

Homo sapiens zinc finger protein 165 (zpf165) mRNA, complete cds.

ggtccccgat	ccgcgcgggt	ttggggatcc	anatgtccag	ccccgtgtcc	ccctccaaac	60
atccagtccc	tctcatattg	ccttgaat	tagcagcctc	tgggtgacca	gaccttggcc	120
ctcagaggaa	tcccgganaa	aggtanaacc	agcttcgctg	tgggaacgca	ggcgcgctta	180
cgcatttagt	gagggtttgg	cggctccat	anttaccgcc	gcccgcgctg	acntcatant	240
ggagcgctga	gggcttggtg	gcgtgggggt	gggctgtcc	tactgtatcc	gaatttgggt	300
caactggtaan	angagttgcc	cattccancc	aggttggaaacg	gggaggggta	gccacatgtc	360
tcagatctgc	cattgtctgc	aaaaagaaac	tgtgcgagg	accatcccc	atcccctgt	420
tcccttggga	agagtaaccg	cggtttgtt	ggacacttgg	ggacaacccc	gcttgtccctg	480
aaatttatttgc	acacgttaaa	tagtattttcc	tgtgtgccga	ggatgcagtt	aaaccaacac	540
tgacccctgt	cccttggagaa	acacaagatg	gctacagaac	caaagaaaagc	tgcagccag	600
aactctccag	aggatgaagg	acttctgata	gtgaagatag	aagaggaaga	atttatccat	660
ggcaggaca	cttgcttaca	gagaagtggaa	ctcccttaagc	aggagctctg	caggcagctt	720
tttaggcagt	tctgttacca	ggattctctt	ggacactcgcg	aggcactgag	ccgcctccgg	780
gagctctgt	gtcagtggct	gaagccagag	atccatacca	aggaacagat	tctggactg	840
ctgggtcttag	agcaggctct	gaccatcttgc	ccaggagatt	tgcaggcctg	gttacatgaa	900
cattacccag	agagtggaga	ggaggcagtg	accatactag	aagatttgg	gagaggcact	960
gatgaagcag	tacttcagg	tcaagccat	gaacatggac	aagaaatatt	ccagaaaaaa	1020
gtgtcacctc	ctggaccagc	acttaatgtc	aagtacagc	cagtggagac	caaggcccat	1080
tttgatttcat	cagaacccca	gctcttatgg	gactgtgata	atgagagtg	aaacagtaga	1140
tccatgccaa	agctgaaat	ttttgaaaaaa	attgaatcac	agagaattat	atctggaga	1200
atctcaggat	acatatcaga	agcatctgg	gagttcaag	acatctgtaa	gtctgcaggc	1260
agggtaaaga	gacaatggga	aaaagaatca	ggggagtctc	agagactctc	gtctgcccag	1320
gatgaagggt	ttggtaaaat	cctcacccac	aaaaatacag	tcagagggtg	aataataagc	1380
cacgatggat	gtgagaggag	attaaatctg	aactcaaattg	aattcacaca	ccagaaatct	1440
tgtaaacatg	gtacctgt	ccagagcttc	aaatggaaact	cagattttat	taaccatcaa	1500
ataatttatg	ctggagaaaa	aaatcaccaa	tatggaaaat	ctttcaagag	cccaaaactt	1560
gctaaacatg	cagcagttt	cagtggagat	aaaactcatc	agtgtatga	atgtggaaa	1620
gccttcaggc	acagctaaa	acttgcctt	catcagagaa	tccacactgg	agagagatgc	1680
tatgaatgt	atgaatgtgg	aaaaagctt	gcagagagct	cagatcttac	tagacatgg	1740
cgaattcaca	ctggggaaag	acccttttgt	tgcaaaagaat	gtgggagagc	attcaacctg	1800
aactcacatc	ttatcaggca	tcagagaatt	cacaccagag	agaaacccta	cgagtgtagt	1860
gaatgtggga	aaaccttccg	agtggactca	catcttattt	gacacttttg	aattcacact	1920
ggagaaaaac	cctatgaatg	cagtggatgt	ggaagagcct	tcagtccag	ctcaaaccctt	1980
agtcaacacc	agagaattca	catggggaa	aacctattaa	tgttaaggaac	ttaaattttgt	2040
aagtaaatgc	tgagggaaatg	gcacaatatg	aaaaatatta	aataaaaaat	aatatttggg	2100
caagtggaaag	actgaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2150

602326096F1 NIH_MGC_90 Homo sapiens cDNA clone IMAGE:4414319 5', Mrna

tatctgttca atgaaaataa ggtatgaccc aagttttac	ctagtctgac tagaagtatt	60
ccacttcaag gtctgaagta ggactttac cttaaaaaac	aacaacaac aaaactatca	120
cacaggatag ataagaagat tggtaaaaca gtttgtgt	gatcttttg gtgtgaact	180
atgacatgag ccttatacat ttgtaaaatag ggatagtgg	aactaatgtc cagaactaaa	240
tttttaaac ttatattgc tttaaatttc gtgaagttc	agttatctaa aataaatata	300
cacaatataatg aaatataatg tttcagattt caaggtataa	tgtaatagta gtgtttgtaa	360
gatactttg tctaataatc acttagtaga ttttgattt	tacagtctata atttgtaaa	420
atgacttcat ttaacattca ctgtatgtaa ttataatgt	aagttctgtat ttaaagaatg	480
gtggcaaaat ggtgcattgtat aacttttgc aagtgttggg	gagatcgta tggtttgaaa	540
agagtaattt aacttttggg tgccaggaaa tgggtttct	caaagtccat tgccggcaat	600
gggcaggccct gcaaaatactg gcacagagca ttatcataca	ccttattaac ggtgagggtg	660
aatacctttg aaataaaatgtt tagagaaaat gtttcagaaa	aaaaaatata atacatgtag	720
atacggagaca aaaaaaaaaaa aaatgaaaaa aaataaaaaa	aaaaagagag ggggacagat	780
atatattcag gggagagaaa aaagacagat tataaaaagg	ccccaaaataa aaaaagaaga	840
aggggtataa atcggaaaaaa tgtgtgtaa acaactgtgg	agaaaaac	887

Human prostaglandin endoperoxide synthase mRNA, complete cds.

ggccatcatgg	ccggagtc	ttgctccgg	tcttgcgtt	cctgctcctg	ctccccccgc	60
tcccggtc	gtcgccgac	ccaggggcgc	ccacggcagt	gaatcccgt	tggtactatc	120
catgcacga	caagggcatt	tgtgtccgt	tcggccttga	ccgttaccag	tgtgactgca	180
cccgcaacgg	ctattccgg	cccaactgca	ccatccctgg	cctgtggacc	tggctccgga	240
attcaactgc	gcccagcccc	tctttcaccc	acttctgtct	cactcacggg	cgctgggtct	300
gggagttgt	caatgccacc	ttcatccgag	agatgtctat	gcccctggta	ctcacatgca	360
gctccaacct	tatccccagt	ccccccacct	acaactcagc	acatgactac	atcagctggg	420
agtcttctc	caacgtgagc	tattacactc	gtattctgcc	ctctgtgcct	aaagattggc	480
ccacacccat	gggaacccaaa	gggaagaagc	agttgcaga	tgcccagctc	ctggccccc	540
gcttcctgct	caggaggaag	ttcatacctg	acccccaagg	caccaacctc	atgtttgcct	600
tctttgcaca	acacttcacc	caccagttct	tcaaaacttc	tggcaagatg	ggtcctggct	660
tcaccaaggc	cttgggcccc	gggtagacc	tcggccacat	ttatggagac	aatctggagc	720
gtcagtatca	actgcggctc	ttaaggatg	ggaaactcaa	gtaccagtg	ctggatggag	780
aatgtaccc	gcctcggt	gaagaggcgc	ctgtgttgat	gcactacccc	cgaggcatcc	840
cgcggcagag	ccagatggct	gtggccagg	aggtgtttgg	gctgttcct	gggctcatgc	900
tgtatgccac	gctctggcta	cgtgagcaca	accgtgtgt	tgacctgctg	aaggctgagc	960
acccacccgt	ggggatgag	cagctttcc	agacgacccc	cctcatcctc	ataggggaga	1020
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aatttgaccc	agagctgctg	ttcggtgtcc	agttcaata	ccgcaaccgc	attgcccattgg	1140
agttcaacca	tctctaccac	tggcacccccc	tcatgcctga	ctccttcaag	gtggctccc	1200
aggagtacag	ctacgagcag	ttcttgttca	acacccat	gttgggtggac	tatgggttg	1260
aggccctgg	ggatgccttc	tctcccccaga	ttgctggccg	gatcggtggg	ggcaggaaca	1320
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tgcagccctt	caatgagta	cgcaagaggt	ttggcatgaa	accotacacc	tccttcagg	1440
agctcgtagg	agagaaggag	atggcagcag	agttggagga	attgtatgg	gacattgtat	1500
cgttggagtt	ctaccctgg	ctgcttcttgc	aaaagtgc	tccaaactct	atctttgggg	1560
agagtatgtat	agagattggg	gtcccttttgc	ccctcaagg	tctcttaggg	aatcccatct	1620
gttctccgg	gtactggaa	ccgagcacat	ttggcggcga	ggtggctt	aacattgtca	1680
agacggccac	actgaagaag	ctggctgtcc	tcaacaccaa	gacctgtccc	tacgtttcct	1740
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tctgaggggc	aggaaagcag	cattctggag	gggagagctt	tgtgttgc	attccagagt	1860
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gtaacacagt	cattcttagga	tgtggagcta	ctgatgaaat	ctgctagaaa	gttaggggtt	2160
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tggctgtatg	tccagaacag	tggctctgtat	cccaaattctg	tcagcatctg	gtgtctaga	2280
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ccaacaagaa	tgatccct	gaatctgtgc	ctgcactgag	agggcaagga	agtgggtgt	2400
tcttcttggg	accccaacta	agaccctgg	ctgaggatgt	agagagaaca	ggtgggtgt	2460
attcacgcca	ttggttggaa	gctaccagag	ctctatcccc	atccaggtct	tgactcatgg	2520
cagctgtttc	tcatgaagct	aataaaattc	gccc			2554

Human mRNA for tyrosine hydroxylase type 3

tccacactga	gccatgccc	ccccggacgc	caccacgcca	caggccaagg	gcttccgcag	60
ggccgtgtct	gagctggacg	ccaagcaggc	agaggccatc	atgggcggcc	cgggggcccg	120
cctcacaggc	tctccgtggc	ctggaaactgc	agccccagct	gcatctaca	cccccaaaaa	180
aaggcccccg	cggttcattt	ggcgcaggca	gagctcata	gaggacggcc	gcaaggagcg	240
ggaggeggcg	gtggcagcag	cgggccgtgc	agtcccctcg	gagccccggg	accggcttgg	300
ggctgtggcc	ttttagggaga	aggaggggaa	ggccgtgtca	aacctgtct	tctcccccgg	360
ggccaccaag	ccctcggegc	tgtcccgagc	tgtaaagggt	tttgagacgt	tttagggccaa	420
aatccaccat	ctagagaccc	ggcccgccca	gaggccgcga	gctggggggcc	cccaccttgg	480
gtacttcgtg	cgcctcgagg	tgcggcgagg	ggacctggcc	gcccctgtca	gtgggtgtcg	540
ccagggtgtca	gaggacgtgc	gcagccccgc	ggggcccaag	gtccccctgg	tcccaagaaa	600
agtgtcagag	ctggacaagt	gtcatcacat	ggtcacaag	ttcgaccctg	acctggactt	660
ggaccacccg	ggcttctcg	accaggtgt	ccgcgcgcgc	aggaagctga	ttgttgagat	720
cgccttccag	tacaggcacg	gggacccgat	tccccgtgt	gagtacaccc	ccgaggagat	780
tgccacactgg	aaggaggtct	acaccacgt	gaaggggctc	tacgcccacgc	acgctgcgg	840
ggagcacctg	gaggccttt	ctttgtgt	gcccgttcagc	ggctaccggg	aagacaatat	900
cccccagctg	gaggacgtct	cccgcttct	gaaggagcgc	acgggcttcc	agctgcggcc	960
tgtggccggc	ctgctgtcc	cccgggactt	cctggccagc	ctggccttcc	gcgtgttcca	1020
gtgcacccag	tatattccgc	acgcgttc	gcccattgtc	tccccctgagc	cggaactgtcg	1080
ccacagagctg	ctggggcaca	tgcggcatgt	ggccgcgcgc	acccctgcgc	agttctcgca	1140
ggacatttgc	ctggcg	ttggggccctc	ggatgaggaa	attgagaagc	tgtccacgct	1200
gtcatggttc	acggtgag	tcgggctgt	taagcagaac	ggggaggtga	aggcctatgg	1260
tgccgggctg	ctgtctct	acggggagct	cctgcactgc	ctgtctgagg	agcctgagat	1320
tcgggccttc	gaccctgagg	ctgcggccgt	gcagccctac	caagaccaga	cgtaccagtc	1380
agtctacttc	gtgtctgaga	gttcagtgt	cgccaaaggac	aagctcagga	gctatgcctc	1440
acgcattccag	cgcccttct	ccgtgaagtt	cgaccgcgtac	acgcgtggca	tcgacgtgt	1500
ggacagcccc	caggcgtgc	ggdgcctc	ggaggggtgc	caggatgagc	tggacaccct	1560
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cccccatgcc	ctccctgct	ccaggctccc	actggccctg	cacctgttcc	tcagcgcac	1740
agctgtgtgt	gcccgtgg	agggtgtgt	gcctgtgt	aggtctgtc	ctggctccca	1800
gggtcttggg	ggctgtgc	ctggccctcg	cccttccctg	acactgtctg	ctggcccaat	1860
caccgtcaca	ataaaagaaa	ctgtggtctc	t			1891

Homo sapiens mRNA; cDNA DKFZp566A093 (from clone DKFZp566A093); complete

agtctgggtt	ggactggcg	ccgtggagg	tgtgacatac	gaggtgacac	ccctcgagtc	60
acttcccttc	aactccagct	ggagcgcctg	cttgccttgc	gttgcgttct	gcagccttcg	120
ccccgtcct	agcctcagg	ccggactccg	gcccagagcc	cagcccagcg	caggctgc	180
gcagccaccc	agccggcc	ccgcccagcc	ccgcacgaaa	cccgccaga	gcttccatgc	240
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atcctgtatgt atgggtccag gatttggatt ttgattttcc	aaatgttagct tgaaatttca	1920
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Homo sapiens mRNA for Id-1H, complete cds.

ttcagccagt cgccaaagaat catgaaaagtc gccagtggca gcaccgccac cgccgcccgcg	60
ggccccacgt gcgcgctgaa ggccggcaag acagcgagcg gtgcgggcga ggtggtgccgc	120
tgtctgtctg agcagagcgt ggccatctcg cgctgccccgg ggcggggggc ggcctgcct	180
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cgcctcaagg agctggtgcc caccctgccc cagaaccgca aggtgagcaa ggtggagatt	300
ctccagcacg tcatcgacta catcagggac cttcagttgg agctgaactc ggaatccgaa	360
gttggAACCC ccggggggccg agggctgccc gtccgggctc cgctcagcac cctcaacggc	420
gagatcagcg ccctgacggc cgaggcggca tgcgccccctg cggacgatecg catcttgtgt	480
cgctgaaggc cttccccagg gaccggcgg	509

Homo sapiens mRNA for KIAA1254 protein, partial cds.

cattggcgcc	cgagctgtga	ccgcccac	tggggcagcc	agcacaatcg	ggcgaggtg	60
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Homo sapiens cDNA clone:HEMBA1001328, 3' end, expressed in whole embryo,
mainly head.

gtagcctta tttactaaa catttatttg cttctaggaa ataagcgctt tcctaattc	60
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ggccgcaaaa t	491

Homo sapiens mRNA; cDNA DKFZp564F1862 (from clone DKFZp564F1862); complete cds

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aaaaaaaa						

Homo sapiens annexin A1, mRNA (cDNA clone MGC:5095 IMAGE:3459615), complete cds.

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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1408

Homo sapiens peroxisomal D3,D2-enoyl-CoA isomerase, mRNA (cDNA clone MGC:3558 IMAGE:3608151), complete cds.

.gagccggccca	agggatggcg	atggcgtact	tggcttggag	actggcgccg	cgttcggtc	60
cgagttctct	gcaggtcact	agtttcccg	tagttcagct	gcacatgaat	agaacagcaa	120
tgagagccag	tcagaaggac	tttggaaaatt	caatgaatca	agtgaaactc	ttgaaaaagg	180
atccagggaa	cgaagtgaag	ctaaaactct	acgcgcata	taagcaggcc	actgaaggac	240
cttgtaaca	atccaaacca	ggtgtatTTT	acttgatcaa	caaggccaaa	tgggacgcata	300
ggaatgccct	tggcagccct	cccaaggaag	ctgcccaggca	gaactatgt	gattttgtgt	360
ccagttttag	tccttcattt	gaatcctcta	gtcaggttga	ccctggaaaca	gacaggaaat	420
caactgggtt	tgaaactctg	gtgggtaccc	ccgaagatgg	catcacaaag	atcatgttca	480
accggccaa	aaagaaaaat	gccataaaca	ctgagatgt	tcatgaaatt	atgcgtgcac	540
ttaaagctgc	cagcaaggat	gactcaatca	tcactgtttt	aacaggaaat	ggtgactatt	600
acagtagtgg	aatgtatctg	actaacttca	ctgatattcc	ccctgggttga	gtagaggaga	660
aagctaaaaa	taatgccgtt	ttactgaggg	aattttgtggg	ctgtttata	gattttccata	720
aggcctctgat	tgcagtggtc	aatggtccag	ctgtgggcat	ctccgtcacc	ctcccttgggc	780
tattcgatgc	cgtgtatgca	tctgacaggg	caacattca	tacaccattt	agtcacccat	840
gccaaagtcc	ggaaggatgc	tcctcttaca	cttttccgaa	gataatgagc	ctagccaagg	900
caacagagat	gcttattttt	ggaaagaagt	taacagcggg	agaggcatgt	gctcaaggac	960
ttgttactga	agttttccct	gatagcactt	ttcagaaaaga	agtctggacc	aggctgaagg	1020
catttgcaaa	gcttccccca	aatgccttga	gaatttcaaa	agaggtaatc	aggaaäääagag	1080
agagagaaaa	actacacgct	gttaatgctg	aagaatgca	tgtcctttag	ggaagatggc	1140
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gaccactaca	gcagagtaaa	gcatgtccaa	ggaaggatgt	gctgttacct	ctgatttcca	1260
gtactggAAC	taaataagct	tcatttgccc	ttttgttagt	ctagaatatc	aattacaatg	1320
atgatatttc	actacagctc	tgtatgtat	aaagtttgt	aaaacaaaaa	aaaaaaaaaa	1380
aaa						1383

*Homo sapiens kallikrein 8 (neuropsin/ovasin), transcript variant 1, mRNA
(cDNA clone MGC:50513 IMAGE:5742016), complete cds.*

cgcccccttgt	gatgtcaggg	gcgcagttagc	tccgcccacg	tggagctcg	gcgggtgtaga	60
gctcagcccc	ttgtggcccc	gtcctggcg	tgtgctgggt	ttgaatcctg	gcggagacct	120
ggggggaaat	tgaggggaggg	tctggatacc	tttagagcca	atgcaacgg	tgattttca	180
gtaaacgcgg	gaaacctcac	cttctttctg	cctgagctgt	gagatgagtg	gagagcaaac	240
gggtggcg	tgaagggcag	atgagggAAC	cggtaccGCC	ttgcaactCC	cccttaaACC	300
cctatgttcc	agttcccaga	agctcccaag	gctctagtgc	aggaggagaa	ggaggaggag	360
caggaggtgg	agattcccag	ttaaaaaggct	ccagaatcgt	gtaccaggca	gagaactgaa	420
gtactggggc	ctcctccact	gggtccgaat	cagtaggtga	ccccccccc	ggattctgga	480
agacctcacc	atgggacgcc	cccgacctcg	tgcggccaag	acgtggatgt	tcctgctctt	540
gctgggggg	gcctggcg	gacactccag	ggcacaggag	gacaagggtgc	tgggggtca	600
tgagtgc	ccccatTCGc	agcTTggca	ggcggcctt	ttccaggGCC	agcaactact	660
ctgtggcggt	gtccttgc	gtggcaactg	ggtccttaca	gctgcccact	gtaaaaaacc	720
gaaatacacaca	gtacgcctgg	gagaccacag	cctacagaat	aaagatggcc	cagagcaaga	780
aatacctgtg	gttcagtcca	tcccacaccc	ctgtacaac	agcagcgtatg	tggaggacca	840
caaccatgtat	ctgtatgttcc	ttcaactgcq	tgaccaggca	tccctgggt	ccaaagtgaa	900
gccccatcagc	ctggcagatc	attgcaccca	gcctggccag	aagtgcacccg	tctcaggctg	960
gggcactgttc	accagtcccc	gagagaattt	tctgcacact	ctcaactgtg	cagaagtaaa	1020
aatctttccc	cagaagaagt	gtgaggatgc	ttaacccgggg	cagatcacag	atgtcatgtt	1080
ctgtgcaggg	agcagcaaag	gggctgacac	gtgcacgggc	atttctggag	gccccctgg	1140
gtgtgatgtt	gcactccagg	gcatcacatc	ctggggctca	gaccctgtg	ggaggtccga	1200
caaaccctggc	gtctatacca	acatctgccc	ctacctggac	tggatcaaga	agatcatagg	1260
cagcaagggc	tgattctagg	ataagcacta	gatctccctt	aataaaactca	caactctcaa	1320
aaaaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1377

Homo sapiens RTN2-A (RTN2) mRNA, complete cds.

ccggggagga	ggaggcggcg	agaatggcag	cggcgtcgtg	ggcgccgcgg	agatgagcgc	60
cccgacccc	gggcccaggg	cggcacagcc	ggagtggcg	gggtcccg	tgcaggcccc	120
agggggggcca	tggggcaggt	cctgccggtc	ttcgcccact	gcaaagaagc	tccgtctaca	180
gcctcctcaa	ctcctgattc	cacagaagga	gggaacgacg	actctgat	tcgagagctg	240
cacacagccc	ggaaattctc	agaggaggac	gaggaggaga	ccacgtcgca	ggactggggc	300
accccccggg	agctgacctt	ctcctacatc	gccttgatg	gtgttagtgg	ctccgggggc	360
cgcagggatt	caactgccc	ccgccccccgc	cccoagggcc	gctcagtc	gaaaccacga	420
gaccagcacc	ctcagcccag	cctggcgac	agctggaga	gcatcccag	cctgagccaa	480
tcccccggagc	ctggacgacg	gggtgatcct	gacaccgcgc	ctccatccga	gcgcctctg	540
gaagacactga	ggcttcgg	ggaccatctg	ggctgggtgg	cccgggaaac	ggatccggg	600
gaggactt	ccaccagcag	ctccaccccg	ctgaaagacg	aagaacccca	agaacccaaac	660
agattggaga	caggagaagc	tggggaaagaa	ctggacctac	gactccgact	tgctcagccc	720
tcatcgcccc	aggcttgac	tccccagctc	agtccggct	ctgggacacc	ccaggccgg	780
actccgtccc	catcccgatc	gcgagattcg	aactctggc	ccgaagagcc	attgctggaa	840
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gcacttccgg	acccggccgt	ggaggcgc	tgaggcgtt	gtgtctct	gatgtacta	2100
gcccccaacgc	cggggctt	catggggccc	agggaggcc	tgagcttga	tttacactgt	2160
aataaaagact	cctgtggaaa	aaaaaaaaaa				2190

Human mRNA for KIAA0188 gene, partial cds.

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gttgtcacc	gtgaaggagc	tctacaaggg	gctgaatccc	gccacactt	cagggtgcatt	120
tgacatcatt	gtcatccgcc	agcccaatgg	aaacctccaa	tgctccctt	tccacgtccg	180
cttggaaag	atgggggtcc	tgcgtccccg	agagaatgg	gttgcatacg	aaatcaatgg	240
ggaatctgt	gatttcata	tgaaaattggg	agataatgg	gaagcatttt	ttgttcaaga	300
aacagataat	gatcaggaag	ttatccctat	gcacctggcc	acctccccca	tcctgtcaga	360
aggagcttcg	agaatggaaat	gccagctgaa	aaggggctct	gtggacagga	tgagaggcct	420
ggaccccagc	acgcacgccc	aagtgategc	tcccaagcgg	acgcgcgtcaa	gcagctgtgt	480
agtaaagaag	agaagaaaaa	ggaggagaaaa	gtcacagctg	gacagcctga	agagagatga	540
caacatgaac	acatctgagg	atgaggacat	gttcccacat	gagatgagct	cggatgaggc	600
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caatgataaa	aatcactgt	atacttcatt	gtgttgcact	ggatgcaaag	ctagaaaata	5280
ttgcaataaa	tgagaccat	gaaagac				5307

Homo sapiens 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble), mRNA (cDNA clone IMAGE:2819708), partial cds.

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cctttgaatg	cagaagcttg	ctggccaaa	gatgtggaa	ttgttgcctt	tgagatctat	180
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acagcagcag	aacctgaagc	agctgtcatt	agtaatgggg	aacattaaga	tactctgtga	1680
ggtgcaagac	ttcagggtgg	ggtggccatg	gggtgggggt	atgggaacag	ttggaggaat	1740
gggatatactg	gggataattt	taaaggatta	catgttatgt	aaatttttat	gtgactgaca	1800
tggagcctgg	atgactatcg	tgtacttggg	aaagtcttt	tgctctat	gtgcacatgc	1860
ttccctgttgt	ggtctggcca	atgccaaatg	tactcgaatg	atgttaaggg	ctctgtaaaa	1920
cttcatacct	ctttggccat	ttgtatgcac	gatgtttgg	ttttaaacat	ggtataatga	1980
attgtgtact	tctgtcagaa	gaaagcagag	gtactaatct	ccaattaaaa	aattttttaa	2040
catgtaaaaa	aaaaaaaaaa	aaaaaaaaaa				2068

Homo sapiens S100 calcium binding protein A14, mRNA (cDNA clone MGC:11012
IMAGE:3640899), complete cds.

agatcatgag	ccatcagctc	ctctggggcc	agctata	tagga	caacagaact	ctcaccaaag	60
gaccagacac	agtggcacc	atgggacagt	gtcggtcagc	caacgcagag	gatgctcagg		120
aattcagtga	tgtggagagg	gccattgaga	ccctcatcaa	gaactttcac	cagta	cgtccg	180
tggagggtgg	gaaggagacg	ctgacccctt	ctgagctacg	ggacotgtc	acc	cagc	240
tgccccatct	catgcccagc	aactgtggcc	tggaagagaa	aattgccaac	ctggc	cagct	300
gcaatgactc	taaaactggag	ttcaggagtt	tctggagct	gattggagaa	gcgc	ccaaga	360
gtgtgaagct	ggagaggcct	gtccggggc	actgagaact	ccctctgaa	ttcttgggg		420
gtgttgggaa	gagactgtgg	gcctggaaat	aaaacttgc	tcctctacaa	aaaaaaa	aaaaaaa	480
aaaaaaaaaa							489

Homo sapiens cDNA clone:ADBALE09, 5'end, expressed in human adrenal gland.

aaaatatcat	ggattgaacc	tcatcaattg	atagcagtga	gtgactgaag	cttccaaatc	60
aagaaaagcc	ggcaccaaga	acttccatc	taatcttagag	ctgaccagtt	tgagctgatt	120
ctctcttgc	agagtccctc	ttgattgcag	tgcagtactg	gcatttcgt	atggatgtaa	180
gtggaggatt	ttagtctaaa	ggctttcaa	attacttgaa	tttttttaaa	aattgaggag	240
ctttattttt	atttaccctt	ccatTTTGT	atataaaatt	tccattgtca	ttaaaaactg	300
tatcttgaaa	cTTTgtgaac	tgacttgctg	tatttgact	ttgagcttt	gaaataaatg	360
tgatTTTGT	gtgataaaaa	caaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	420
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aactcgctg	ggccgaattt	ggcacgagcc	480
acccaccacc	tttggcacag	ccccttgg	tttacaccaa	taccaagaat	taaaaaaaaaa	540
gccttggcag	ttttcacgtt	taaaccagac	tccttgcgg	gaacccaacc	cgnccaccctg	600
ctggcctccg	tc					612

as43b01.x1 Barstead aorta HPLRB6 Homo sapiens cDNA clone IMAGE:2319913 3',
mRNA sequence.

tttaaaaaac aaactgcaaa atggatttta tttacattaa aacatgaatt gcctgtatac	60
acacaaatat aagaggaaca atctgttatg cacaataact gtaatattta gtacatgtta	120
tacacagca gatctgttaa gtcagtgggt tgagtaaaa cacagtacca aaacattcct	180
gataaaaaat aagttactca ttccatattt ctaatcatac aagacactta atatttaaa	240
agttacatac ttcaaataaac actggctaaa tgtacaacta aagtttattt attttttta	300
tgaaaagact tcagattgtt attcataaat gatcccttc aggatgcatt atctttaaa	360
taaataaaact aaatttgactt caagactatt tataaatgc ccactaaaat atgattgaag	420
acattccttc attttattaa ggtgttagcta tatactagag aatatgctca actactgcct	480
ccaaatccaa cactgtcatt ctaattgcaa atagaatttta taaaattcca ctccaggaca	540
tgagatgagc tgcctgccct attttgtcaa tggttccaaa gcattaacgg attaagagac	600
tgc	603

Homo sapiens drebrin 1, transcript variant 1, mRNA (cDNA clone MGC:1517
IMAGE:3356428), complete cds.

ccgaggcggc	ggcgccgact	ccctttcc	ctccctcc	ctccgtccgc	ccgtccgtcc	60
gcgcgtctgt	ccgttccggcc	cggtccggcc	cgaagcatgg	cggcgctcag	tttcagcggc	120
caccgcctgg	agctgtggc	ggttacgag	gaggatgcc	gagaggagag	cgccggccgac	180
tgggctctgt	acacatatga	agatggctcc	gatgacctca	agttgcagc	atcaggagaa	240
gggggcttgc	aggagcttc	gggacactt	gagaaccaga	aggtgatgt	cggctctgc	300
agtgtcaagg	actcccaagc	tgctctgcca	aaatacgtgc	tcatcaactg	gttggcgaa	360
gatgtgcctg	atgcccgc	aaatgcgttg	gtccggccacg	tggctaagg	ggcagagttc	420
ttccagggtg	tcgacgtgat	gttgcgttgt	gtccggccacg	tttgcgttgt	ggcagagttc	480
atcgggcagc	ggctctctaa	cggtccggcg	cgactctcca	ggccctgtgt	gcaccgactg	540
cggctgcag	aggatgagaa	cgccggccccc	gtggccacca	cctaccagaa	gacggatgca	600
gctgtggaaa	tgaaggcgat	taaccggagag	cagttctggg	agcaggccaa	gaaggaagaa	660
gagctgcgg	aggaggagga	ggtggggat	gcccgttat	agaggctcag	gttcgagcag	720
gagcggatgg	agcaggagcg	gtccggccac	gtggccggcg	agccggcgta	ccggggccgg	780
gagcagcaga	tcgaggagca	caggaggaaa	cagcagactt	tagaagcgga	agaggccaaag	840
aggcggttga	aggagcagtc	tatcttttgt	gaccatcgcc	atgaggagga	agagacccac	900
atgaagaagt	cagactcgga	ggtggggat	gcacggacta	ttattgcaca	gcggcctgac	960
aacccaaggg	agttttctaa	gcacggggaa	agatcgcat	cgccctctgc	ggccggctgt	1020
gatgtaccct	cgcccttcaa	ccatcgacca	ggcggccacc	tggacagcc	ccggggatgt	1080
gcccccaactc	ccatccccac	gccccggcc	tctgactcca	gcaccgcctc	cacccctgtc	1140
gctgagcaga	tagagcgccc	cctggatgag	gtcacctct	cgccggcc	accactgcca	1200
ccggccacccc	caccagccca	agagacccag	gagcccgacc	ccatcttaga	cagtggggat	1260
accagagcag	cagccctca	ggcctgggg	ggcccccatt	aggagccccc	tcagggccac	1320
gcccctcccc	ggggggccagg	cagccctgca	gaggacttga	tgttcatgga	gtctgcagag	1380
caggctgtcc	tggctgtcc	cgtggggat	gccacagctg	acggccacgg	gttccacat	1440
gcagctgaca	ccatttggaaac	tgacactgca	actgtgtca	ccactgttgc	caacaacgt	1500
cccccccgcc	ccaccggcct	cattgaccta	tggctggca	acggggaaagg	ggcctccaca	1560
ctccagggtt	agcccaaggc	ccccacgca	ccctcggtt	ctgaggcac	cctggccagag	1620
gtgcccctgc	tggatggat	ggctccggag	ccactgtgc	cagcaggcga	aggctgtgcc	1680
acccttctca	actttgtat	gttgcctgag	ccggccggca	ccttctgtt	cccagaggaa	1740
gtggaaagggg	agcccttgc	tggcccccgg	accggccactc	tggcccttgc	ccttggggat	1800
ctggagcaag	agcaggagcc	ggagcccccac	ctgcttacca	atggcgagac	cacccagaag	1860
gagggggaccc	aggccagtga	gggggtactt	agtcaatcac	aggaggagga	gttgcggccaa	1920
tcggaagagc	tctgtccaa	ggctccggct	cctgtgttct	acaacaagcc	tccagagatc	1980
gacatcacat	gctggatgc	agacccagg	ccagaagagg	aggagggctt	cgagggtgtt	2040
gattagcggt	ggccggccagcc	ctaggctacc	cttggccagg	ccggccaccc	gcatcgcc	2100
ctggccagac	ggccggccgt	ggctgcattc	gcacggactc	cgccctggac	ccactccgg	2160
ttccggccct	ggctggggac	ttggccggct	cccttacccac	aggggctgtac	ttttacagct	2220
tttctctttt	tttaaaaaat	tgataggaga	cttgcgttgt	tgactggctt	tcctctcggt	2280
ggtagttgag	acgctgttgc	aaattccacc	cctcttcc	tggccaggat	tgttagcttt	2340
agtcctccct	gctcagctgg	cggggttgg	ggccctcaccc	tgcttggggc	ctggcggtgg	2400
gggagctctg	gtggggaaaat	gtccccccacc	tcttttccca	gttttatgtt	tcttggggaaa	2460
atatcacttt	gtattctctg	tccagggtt	cagatattt	gcacgaattt	taaaacatgg	2520
caataaatgg	ctcggtggct	ctggccaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2580
aaaaaaaaaa	aaa					2593

Homo sapiens potentially prenylated protein tyrosine phosphatase hPRL-3 mRNA, complete cds.

aagagttggg ttttctttt taattatcca aacagtgggc agttccctcc cccacaccca	60
agtatttgc acaatattgt gcggggtatg ggggtgggtt tttaaatctc gtttcttgc	120
gacaaggaca gggatctcg ttcctcatt ttttgggggt gtgtggggac ttctcaggtc	180
gtgtccccag ctttcctcgc agtcccttct gccctgccgg gcccgtcggg aggcccatg	240
gtcgatga accgccccggc cccgggtggag gtgagctaca aacacatgcg ctttcctcattc	300
acccacaacc ccaccaaaccgc cacgctcagg accttcattt aggacctgaa gaagtacggg	360
gttaccactg tggtgctgt gtgtgaagt acctatgaca aaacgcccgt ggagaaggat	420
ggcatcaccg ttgtggactg gccgtttgac gatggggcgc ccccgctgg caaggttagtg	480
gaagactggc tgagcctggt gaaggccaag ttctgtgagg ccccccggcag ctgcgtggct	540
gtgcactgcg tggcgggcct ggggcgggct ccagtccttg tggcgctggc gcttatttag	600
agcgggatga agtacgagga cggccatccag ttcatccgccc agaagcggcg cggacgcattc	660
aacagcaagc agctcaccta cctggagaaa tacoggccca aacagaggct gcgttcaaa	720
gacccacaca cgacaaagac cccgtgctgc gttatgtagc tcaggacatt ggctgggcct	780
ggtcgtcatg taggtcagga ctttggctgg acctggaggc cctgcccagcc ctgtctgcc	840
cagcccagca gggctccagg ctttggctgg cccacatcg ctttttcctc cccgacacacct	900
ccgtgcactt gtgtccgagg agcgaggagc ccctcggcgc ttgggtggc ttctggccccc	960
tttctctgt ctccgtactc cttctggcgg cgctggcgtg gctctg	1006

Homo sapiens cell cycle progression restoration 8 protein (CPR8) mRNA,
complete cds.

gaattcgcaa agatgctaaa gagagaactg gagagagaac gactagtaac tacggctta	60
aggggggAAC tccagcagtt aagtggtagt cagttacatg gcaagtcaga ttctcccaat	120
gtatatactg aaaaaaaagga aatagcaatc ttacggaaa gactcactga gctggAACGG	180
aagctaacct tcgaacacgca gcgttctgtat ttgtggaaa gattgtatgt tgaggcaaaa	240
gatcaaaatg gaaaacaagg aacagatgga aaaaagaaaAG ggggcagagg aagccacagg	300
gttaaaata agtcaaaggAAC aacatTTTg ggTCAGTTA aggaaacatt tgatGCCATG	360
aagaattcta ccaaggagtt tgtaaggcat cataaaagaga aaattaAGCA ggctaaAGAA	420
gatgtgaagg AAAATCTGA aaaaATTCTCA gattcAGTTA aatccACTT cagacACTT	480
aaagatACCA ccaagaatat ctTTGATGAA aaggtaATA aaagattAA tgctacAAA	540
gaagcagCTG aaaaACCAAG AACAGTTT AGTgACTATT tacatCCACA gtataAGGCA	600
cctacagAAA accattcaag GCCCTACTAT gcaaaaaAGAT ggaAGGAAGA aaAGCCAGTT	660
cactttaaAG aattcAGAAA aaatacAAAT tcaAAAGAAAT gcAGTCCTGG gcatgattGT	720
agagAAAATT ctCATTCCTT cAGAAAGGCT tgTTCTGGTG tatttgattG tgctcaacAA	780
gagtccatGA gcCTTTAA cacAGTGGTG atCCCTATAA ggatggatGA atttagACAG	840
ataattCAA ggtacatGTT AAAAGAACTG gataCTTTT gTCGCTGAA CGAACTTGAT	900
cagttcatCA ataAGTTTT CCTAAACGGT gTCCTTATAc ATGATCAGAA gCTCTTCACT	960
gactttgtTA atGATGTTAA gattatCTTA ggAAACATGA aggaatATGA agtagataAT	1020
gatggagtAT ttGAGAAGTT ggatGAATAT atATATAGAC acttCTTGG tcacactTTT	1080
tcccCTCCAT atggACCCAG gTCGGTTAC atAAAACCCT gTCATTACAG tagTTGTA	1140
catttGTagA ttggatacGA tttttatGAT ttGATGAGTT tCTTGTAAAG ttaccGTT	1200
taagAGTTGt gCTTTATGGC cactgAGAGA attcAGAAATA aattGAAAGA tggAGTCTAA	1260
aaatttattAG ctGTTACAAA tggAACAAAT tcATTATAAC gtGATCATT TGACTTGAGC	1320
aaatGGTTA atTTTATCT taaaATCAGT taAGAATATA taaaATCCTA CCTTGGCCA	1380
agTTTGTTC ttttCATTAT agTTTATATG AAAAGATCAC CTTAAGTGA ATTATTTCC	1440
ttatTTCCt ttaatTTTT atGTTTTAT tcacttCTGG aagCTAGGAA tgAGCAACAC	1500
aaatTTTACT ctGAAGTCAG aAGAGCTCAT atATATAATT CTAATGTCCTT ACCTATGTCC	1560
attCCATGTA ccAGGTTAGT tatataCTAG tcACATAATT atCTTGTATA AAGGTAGAGG	1620
cacAAAGAGG caAAACAAACA AGTCAAATTC TAATGTGTGT acTTCAATAAT AATTTTTAT	1680
ccatTTTCAt cttCTTTATC ttttatTTCT gtaACATGAAC acTTACCTAA tCTTCAAATG	1740
ttAGCTTCAT ttttACCTT tGAAATACTT aatCTTCTG aATAAAATATA atGTCATA	1800
aaaaaaaaaaaa aaaaaaaaaaaa aaaaaAAACCG tcgAAAAGCG gCCGCCACCG cgtGGA	1856

Human channel-like integral membrane protein (CHIP28) mRNA, complete cds.

gcACCCGGCA gcggTCTCAG gccaAGCCCC ctGCCAGCAT ggCCAGCGAG ttCAAGAAGA	60
agCTCTTCTG gaggGCAGTG gtggCCAGt tcCTTGGCCAC gACCCTCTT gtCTTCATCA	120
gcATCGGTTC tgCCCTGGGC ttCAAATACC CGGTGGGGAA caACCAGACG gCGGTCCAGG	180
acaACGTGAA ggtgtcgtG gcCTTCGGGC tgAGCATCGC cacGCTGCG cAGAGTGTGG	240
gcccACATCAG cggcGCCAC ctCAACCCGG ctGTcACACT ggggCTGCTG ctCAgCTGCC	300
agatCAGCAT ctTCCGTGCC ctCATGTACA tcATGCCCCA gtGCGTGGGG gCCATCGTCG	360
ccACCGCCAT CCTCTCAGGC atCACCTCT CCCTGACTGG gaACTCGCTT gGCCGCAATG	420
acCTGGCTGA tggTGTGAAC tCGGGCCAGG gcCTTGGCAT CGAGATCATC gggACCCCTCC	480
agCTGGTGTGt atGCGTGTGt GCTACTACCG ACCGGAGGCG CGTGTGACCTT ggtggCTCAG	540
ccccccCTTGc catGGCCTC tCTGTAGCCC ttggACACCT CTCGGCTATT gACTACACTG	600
gtCTGGGAT taACCTGTGt CGGTCTTGT gTCCTGCGGT gATCACACAC aACTTCAGCA	660
accACTGGAT tttCTGGGTG gggcATTCA tCGGGGGAGC CCTGGCTGA CTCACTACG	720
atttCATECTT gggcccACCGC AGCAGTGAAC tcACAGACCG CGTGAAGGTG tggaccAGCG	780
gCcAGGtGGA ggAGTATGAC ctggatGCGC acgACATCAA CTCCAGGGTG gagATGAAGC	840
ccAAATAGAA ggggtCTGGC cCGGGCATCC acGTAGGGGG CAGGGGCAGG gGCCGGCGGA	900
gggAGGGGAAG gggTGAATACt cAtACTGTAG acACTCTGAC aAGCTGGCCA aAGTCACTTC	960
cocaAGATCT gCcAGACCTG catGGTCAAG CCTCTTATGG gggTGTtCT atCTTTCT	1020
ttCTCTTCTGt gtttCCTGGC ctCAgAGCTT CCTGGGGACC aAGATTtAcc aATTCAcCCa	1080

ctcccttcaa gttgtggagg aggtgaaaga aagggaccca cctgctagtc gcccctcaga	1140
gcatgatggg aggtgtgcca gaaagtcccc cctcgccccca aagttgctca ccgactcacc	1200
tgcgcagaatgtt cctggattt taccgttaatt gctttgtgcc tttgggcacg gccttccttc	1260
tttcctaactatgcacatgg ctcccaatgg tgcttggagg gggaaagagat cccaggaggt	1320
gcagtggagg gggcaagctt	1340

Homo sapiens STRA6 isoform 1 mRNA, complete cds, alternatively spliced.

agtcccagac	gggctttcc	cagagagcta	aaagagaagg	gccagagaat	gtcgtcccag	60
ccagcaggga	accagacctc	ccccggggcc	acagaggact	actcctatgg	cagctggcac	120
atcgatgagc	cccagggggg	cgaggagtc	cagccagagg	ggaaagtggcc	ctcctgccac	180
accagcatac	cacccggcct	gtaccacgcc	tgcctggcct	cgtgtcaat	ccttggctg	240
ctgctctgg	ccatgttgt	gaggcgccgc	cagctctggc	ctgactgtgt	gcgtggcagg	300
cccgccctgc	ccagccctgt	ggatttcttg	gctggggaca	ggcccccggc	agtgcctgt	360
gctttttca	tggtcttcct	gagctccotc	tgtttgcgtc	tcccccacga	ggacgcattg	420
cccttcttga	ctctcgccctc	agcacccacgc	caagatggga	aaactgaggg	tccaagaggg	480
gccttggaga	tactgggact	gttcttattat	gctccccctc	actaccctct	ggctgcctgt	540
gccacggctg	gccacacacgc	tgcacacotc	ctcgccagca	cgctgtctg	ggcccacctt	600
ggggtccagg	tctggcagag	ggcagagtgt	ccccaggtgc	ccaagatcta	caagtactac	660
tccctgtgg	cctccctgccc	tctcctgtgc	ggcctcgat	tcctgagcc	tttgttaccct	720
gtgcagctgg	tgagaagctt	cagccgtagg	acaggagcag	gctccaaggg	gctgcagagc	780
agctactctg	aggaatatct	gaggaacaccc	ctttgcagga	agaagctggg	aagcagctac	840
cacaccccca	agcatggcctt	cctgtcctgg	gcccgcgtct	gcttgagaca	ctgcatctac	900
actccacacgc	caggattcca	tctcccgctg	aagctgggtc	tttcagctac	actgacagagg	960
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tccaggagaca	agcaggaggt	ggtggagctg	gtgaagcacc	atctgtggc	tctggaaatgt	1140
tgctacatct	cagccttgg	cttgccttc	ttactcacct	tcctggctc	gatgcgtca	1200
ctgggtacac	acaggaccaa	ccttcgagct	ctgcaccgag	gagctgcct	ggacttgagt	1260
cccttgcattc	ggagttccca	tccctcccg	caagccat	tctgttggat	gagttttagt	1320
gcctaccaga	cagcccttat	ctgccttggg	ctccctggc	agcagatcat	tttcttcctg	1380
ggaaccacgg	ccctggcctt	cctggtgc	atgcctgtc	tccatggcag	gaacccctcg	1440
ctcttccgtt	ccctggagtc	ctcgtggccc	ttctggctg	ctttggcc	ggctgtgatc	1500
ctgcagaaca	tggcagccca	ttgggtcttc	ctggagactc	atgatggaca	cccacagctg	1560
accaaccggc	gagtgtcta	tgcagccacc	tttcttctct	tcccccctaa	tgtgtgggt	1620
gggtccatgg	tggccacactg	gctgagtgctc	ctctctgtcc	tctacaacgc	catccacactt	1680
ggccagatgg	acctcagcct	gctgccaccc	agagccgcca	ctctcgaccc	cggtactac	1740
acgttaccgaa	acttottgaa	gattgaagtc	agccagtcgc	atccagccat	gacagccctt	1800
tgttccctgc	tcctgcaagc	gcagagccctc	ctaccaggaa	ccatggcagc	ccccaggac	1860
agcctcagac	caggggagga	agacgaagg	atgcagctgc	tacagacaaa	ggactccatg	1920
gccaaggggag	ctaggccccgg	ggccagccgc	ggcagggttc	gtggggct	ggcttacacg	1980
ctgctgcaca	acccaaccct	gcaggcttc	cgcaagacgg	ccctgttgg	tgccaatgg	2040
gcccagccct	gagggcaggg	aaggtcaacc	cacctggcca	tctgtgtc	ggcatgttcc	2100
tgcctaccat	cctccctccct	ccccggctc	cctcccagca	tcacaccagc	catgcagcca	2160
gcaggtcctc	cggatcactg	ttgttgggt	gaggtctgtc	tgcaactgg	gcctcaggag	2220
ggctctgtctc	caccaacttg	gtatgggag	agccagcagg	gttctggag	aaaaaaaactg	2280
gtgggtttagg	gccttggtcc	aggagccagt	tgagccaggg	cagccacatc	caggcgtctc	2340
cctaccctgg	ctctgcccattc	agccttgc	ggcctcgat	aagccttctc	tggaaaccact	2400
ccagcccccgc	tccacccatc	ccttggcctt	cacgtgtgg	aagcagccaa	ggcaacttcc	2460
caccccccata	gcgcacccgga	cctctctgg	gatggccgg	aaagctcccg	gtctctggc	2520
ctgcaggggca	gccaagtca	tgactcagac	caggtcccac	actgagctgc	ccacactcga	2580
gagccagata	tttttgttagt	ttttatgcct	ttggctatta	tgaaagaggt	tagtgttcc	2640
cctgcaataa	acttggccct	gagaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2700
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aa			2732

Homo sapiens solute carrier family 7 (cationic amino acid transporter

gaggcatcaga	ccacagatcc	ttggaaaggcac	ttctctccct	gactgctgt	cacactgcgg	60
tggagaacctg	cttatatcca	ggaccaaggaa	gtgagtggca	atgccaggaa	gctggtaag	120
gttttcctct	cctccaccat	ggttgacagc	actgagtatg	aagtggcctc	ccagcctgag	180
gtggaaacct	cccccttggg	tgatggggcc	agcccaggc	cggagcaggt	gaagctgaag	240
aaggagatct	caactgttaa	ccgcgtgtgc	ctgattgtgg	ggaacatgtat	cggctcgcc	300
atctttgttt	cccccaagggg	tgtgtcata	taactgtcct	cttttgtct	ctctctggc	360
atctgggctg	tcggggcct	cttctccgtc	tttggggccc	tttgttatgc	ggaactggc	420
accaccatta	agaaatctgg	ggccagctat	gcctatatcc	tggaggccctt	tggaggattc	480
cttgctttca	tcagactctg	gacctccctg	ctcatcattt	agcccaccag	ccaggccatc	540
attggccatca	cctttgccaa	ctacatggta	cagccctct	tcccgagctg	cttcgcccct	600
tatgctgcca	ggcgctgct	ggctgctgcc	tgcatttgct	tcttaacctt	cattaactgt	660
gcctatgtca	aatggggAAC	cctggtacaa	gatatttca	cctatgctaa	agtattggca	720
ctgatcgccg	tcatcggtc	aggcattgtt	agacttggcc	agggagcctc	tactcatttt	780
gagaatttcct	ttgagggttc	atcatttgca	gtgggtgaca	ttggccctggc	actgtactca	840
gctctgttct	cctactcagg	ctggggacacc	ctcaactatg	tcactgaaga	gatcaagaat	900
cctgagagga	acctggccct	ctccattggc	atctccatgc	ccattgtcac	catcatctat	960
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cgggtcacac	cagtgccttc	tctgtcttc	aatgtatca	tggcattgtat	ctacttgtgc	1260
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agacttttaa	aggggacaat	gaaggtgact	gtggggagga	gcatgtcagg	tttgggcttg	1920
gttggttttag	aagcacctgg	gtgtgcctac	ctactccct	tttcttttaa	aaggcccac	1980
aatgctccaa	tttcctgtct	ccttagaga	gacatgaaac	tatcacaggt	gtggatgac	2040
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601440558F1 NIH_MGC_72 Homo sapiens cDNA clone IMAGE:3925214 5', mRNA sequence.

ttctaatctt tctctgggg gaacaggcca cagaactgtg tttagaggtga accatcttaa	60
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gtgaacaacc taatgcattt tagagaaaaca atctcatcac atttttctta gccttccta	240
catttaaact tgctgtgcc caaattataa ttttttaaat gtctttgtg ggcttctgtt	300
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tccccgtgtc ccaacgaaca accccacaat tccaacgogg ccccccgatt ctccaccgct	900
ctgctcaactt actaataag	

Human DNA for insulin-like growth factor II (IGF-2); exon 7 and additional ORF

gacaacttcc	ccagatacc	cgtggcaag	ttcttccaat	atgacacctg	gaagcagtcc	60
acc	cagegc	tcgcagg	cctgc	ctc	ccgcggg	120
gccaagg	gcgtt	caggagg	aaacgt	gtccc	tgcttac	180
acccaag	ccgcac	ggcgcccc	ccagagat	ccagcaat	gaagt	240
aaactgc	aagt	ccggcgca	ccatct	gcctct	gaccacgg	300
gttccat	ggttccat	cgaaaat	tcgg	gtcccc	ggcttct	360
gacc	ccgt	cctcccg	acag	ctc	ccctccat	420
ggctgagg	gcacagc	atcttca	atgtacaaa	tcgatt	ttaaacac	480
ttcacat	cttcccc	attatccc	attatccc	cacataaaa	atcaaaacat	540
taaacta	cccttcccc	cccccc	caacc	aaaactt	ggctttt	600
aaacac	caaaag	ctca	gaaatt	tttttt	aaaaatcaa	660
ttggct	aaaaaa	atggat	tttttt	aaacaattt	aaaaataaag	720
gaatttgg	ctccccac	ccctt	ttt	ggactt	tttttt	780
ctggactt	gtcc	gttgc	aaaaga	cccc	tttttt	840
cacgtcg	tcat	ctcc	acgg	tttttt	tttttt	900
gaaaatag	acaacc	ctgg	actcc	ccat	tttttt	960
gcagt	ggacc	gta	tttttt	tttttt	tttttt	1020
catgcaaa	aatgt	att	ggcac	tttttt	tttttt	1080
tcctaaaa	ca	cact	ttat	ccg	tttttt	1140
acgc	at	gc	atcc	tttttt	tttttt	1200
aacgcac	ac	ac	tttttt	tttttt	tttttt	1260
cacac	ac	ac	tttttt	tttttt	tttttt	1320
gcac	ac	ac	tttttt	tttttt	tttttt	1380
acag	ac	ac	tttttt	tttttt	tttttt	1440
cacg	ac	ac	tttttt	tttttt	tttttt	1500
cacg	ac	ac	tttttt	tttttt	tttttt	1560
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tgc	ac	ac	tttttt	tttttt	tttttt	1680
cacat	gc	ac	tttttt	tttttt	tttttt	1740
cacaca	ac	ac	tttttt	tttttt	tttttt	1800
cacac	ac	ac	tttttt	tttttt	tttttt	1860
gat	at	ctgt	ttggat	ccaa	tttttt	1920
gcccc	cttcc	atc	tccact	gttgc	tttttt	1980
ggaggg	ggat	gttgc	ggctt	ggat	tttttt	2040
agg	gttgc	ccc	tttttt	tttttt	tttttt	2100
gtg	ggat	tttttt	tttttt	tttttt	tttttt	2160
ccc	atcc	tttttt	tttttt	tttttt	tttttt	2220
ggaagg	agg	tttttt	tttttt	tttttt	tttttt	2280
gc	tttttt	tttttt	tttttt	tttttt	tttttt	2340
cct	tttttt	tttttt	tttttt	tttttt	tttttt	2400
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agg	tttttt	tttttt	tttttt	tttttt	tttttt	3060
ggg	tttttt	tttttt	tttttt	tttttt	tttttt	3120
cac	tttttt	tttttt	tttttt	tttttt	tttttt	3180
cct	tttttt	tttttt	tttttt	tttttt	tttttt	3240
cg	tttttt	tttttt	tttttt	tttttt	tttttt	3300

ccatcgacca	ggttgtttgg	gccccggagc	ccacgggtct	ggtgatgcc	tagcagccac	3360
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aagcccaaag	agccaaattg	tcacaattgt	ggaacccaca	ttggcctgag	atccaaaacg	3660
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tgccggaggg	agggaaagggg	ctgagcacct	ggaagcaggc	agagggggat	agaagaggga	4140
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nac79g07.x1 NCI_CGAP_Brn23 Homo sapiens cDNA clone IMAGE:3440820 3', mRNA sequence.

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ggtgccgtgg	gcacgaggga	gcgaccccg	ggtggccgag	ggactgaggg	atgcgcgtcc	240
agccccggag	ggccggcgtcc	acctgacccc	ccagcccgag	ccgcccgc	cgcctcccaag	300
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accctaccc	ggccccccggg	gctgcccgg	aaggcccccc	aaagctgct	catagccaag	420
ggacaggat	gtggccaagg	ccccccacag	ccctgaactg	gagtgtgtct	gaggctccgg	480
caggggcccc	ctcaacttggg	cgcggagccc	tgggagtgga	ga	522	

Homo sapiens hypothetical protein MGC11256, mRNA (cDNA clone MGC:60219 IMAGE:6091291), complete cds.

gcggccggga	ggccggagca	gcacggccgc	aggacctgaa	gctccggctg	cgttttcccg	60
cagcgctacc	cgcgcgcgc	ctggccgcgc	ggggccgcgt	ggggctcctg	ccgccttcgc	120
tgctgtgcc	ccccggcgccg	gaggccgcga	agaagccgac	gcccgcac	cggtggccggg	180
ggctggtgg	caagttAAC	caggggatgg	tggacaccgc	aaagaagaac	tttggccggcg	240
gaaacacggc	ttggggaggaa	aagacgctgt	ccaagtagca	gtccagcgg	attcgccctgc	300
tggagatcct	ggaggggctg	tgcgagagca	gcgacttcga	atgcaaccag	atgttagagg	360
cgcaggagga	gcacctggag	gcctgggtggc	tgcagctgaa	gagcgaatat	cctgacttat	420
tcgagtgg	tttgtgtgaag	acactgaaag	tgtgtgtc	tccaggaacc	tacgggtcccg	480
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gagatgggag	cagacaggc	gacgggtcct	gcccgtgcca	catgggtac	caggggccgc	600
tgtgcactga	ctgcatggac	ggctacttca	gctcgctccg	gaacgagacc	cacagcatct	660
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catttgc	ttaaacagct	gcatttctt	tttgcattt	aacagactt	tatatttga	1320
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Homo sapiens cDNA clone IMAGE:3952627, partial cds.

caaaaatatct	gcattccaccc	ggagatgcag	ctaagtgggt	ccttatgtac	acaccacgtt	60
cacacacaca	cagagggacc	acgtgtcac	gcatgaccgt	gtgggtggcg	gcgtttgctg	120
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acccaagtac	acgcagccag	gcattcaggg	gtgtgttgc	cacatggagc	atcccttcct	300
ggcttgc当地	ggcacctgca	cagagcgtct	ccagccccat	ctccctaacgg	gggttgggg	360
taagagaaat	ctaactgcgc	tccccc当地	cctcgc当地	ccatcttccc	ctcaaggctg	420
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gaccccgcca	aaaaaaaaaa	aa				1222

PT1.1_07_C06.r tumor1 Homo sapiens cDNA 5', mRNA sequence.

cngggcntgc	aggaattctg	gnacgagtct	gggtccntgg	tttctctcca	tactcccttc	60
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Homo sapiens cDNA FLJ12940 fis, clone NT2RP2005038, weakly similar to DNA NUCLEOTIDYLEXOTRANSFERASE (EC 2.7.7.31).

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np60h03.s1 NCI_CGAP_Br2 Homo sapiens cDNA clone IMAGE:1130741 3', mRNA sequence.

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cggacggaga	cactgtacag	cacaacctcg	ggaaaacgcc	aacgcccacg	ccttctccaa	300
caaaagatgg	cctcggactc	aagagtgcgg	ctccaggggca	atgcagcccc	aacctaaaga	360
ttagaggcc	tcccgtttcg	ctggccccc	gagccgccc	ccgggactgc	acttccccac	420
cgataaaagg	tggttccag	gttacctcc	tcagatggcg	gcggcggtc	ccgacggctt	480
actcaccagc	atccttcgcg	ggcgaaaaat	ctcggcaagg	cgccctcg	ccgaatcc	538

Homo sapiens ALL1-fused gene from chromosome 1q, mRNA (cDNA clone [MAGE:2823316]).

ggaagctatg	agggaccctg	tgagttagcca	gtacagttcc	tttcttttct	ggaggatgcc	60
catcccagaa	ctggatctgt	cggagctgga	aggcctgggt	ctgtcagata	cagccaccta	120
caaggtcaaa	gacagcagcg	ttggcaaaaat	gatcgggcaa	gcaactgcag	cagaccagga	180
gaaaaaccct	gaagggtatg	gcctccttga	gtacagcacc	ttcaacttct	ggagagctcc	240
cattgccagg	atccactcct	tgcgactgga	cttgcctctaa	ggccaagact	tctctctccc	300
atcaccttgc	cctcattgtc	ttccctctca	agccccttcc	tttccactcc	tttccattt	360
taatcttgtt	ctctccctac	tgtgttggtg	gtgcgtatga	atctgccaga	gttgagttct	420
atgtatttat	ttatctatct	gtctactcca	tttctctcaa	aagccctcaa	gtcacaaaagt	480
aaatggttca	agcaatggag	tactgggtca	caggattcc	tcctttcccc	cccaaataatt	540
aactccagaa	actaggcctg	actggggaca	cctgagagta	gtatagtagt	gcaaaaatgga	600
agactgatt	ttgactctat	tataatcagc	ttcagagatt	ccttaaacct	tcctaatttc	660
ctgctccagg	gcagtaaaca	caaataatttc	ttcaaggggt	gatgaaaacc	tcggaagttt	720
taatttgagg	ttatctgcta	cgaaacagta	tttctaaaag	gctaaagtga	taagtctctt	780
gotttttttt	gatcctgctc	ttatattctt	tttttcctc	agagaaatca	ggagggtagt	840
tagaggtata	aaacaggagg	aaatattatg	gaaaatgaaa	atagggaaaa	taattgaatc	900
attttagaag	tagctattt	cttttctcaa	aagagtgtcc	cttcttcaca	cctactcaet	960
ttacaacttt	gctcctaact	gtgggttcaa	aactctagct	aaagaaagtt	atcaaatactt	1020
aacatgcatt	cctactatta	tgtatagttt	taagtttca	attcaatctt	ctgaacggca	1080
taagtcctat	tttagccctta	cctcctgcat	ttgcataacg	taatactgat	cagtgggcac	1140
agttcttcag	ctacatttag	accctgaaat	gaacaattat	attctgactc	gacatcttgt	1200
cccccaatct	tccaaaata	ttgatggtga	tttggctac	catttactcg	tttatttaat	1260
aaagacattc	aatcccagga	aaaaaaaaaa	aaaaaaaaaa	aa		1302

Human mRNA for acetyl-coenzyme A transporter, complete cds.

gaattcgcag	cgagagctgg	agggttggg	tccggagacc	agccattcga	tcccggcgca	60
ggtaggagct	ggtttccatc	ctggcacccac	ggcacacacc	tccagcctcg	agccggcg	120
tgctgcccgg	gggtctccct	caggctctt	gacggcgttc	cagggggcac	ctatccaggc	180
atccctctgg	cctctagcca	gaggactg	tccggcttc	agcaactcgg	gctcagtaa	240
gaagtgcct	tatcgctctg	agccctgc	ccatcccgtg	aaccaccgaa	accctggtcc	300
agcgcgacag	ccttgaccc	gggactggac	ggatccaaaa	cgctcagcct	cggccccca	360
cagacggggc	tctgcatcg	ctctgatatg	tcacccacca	tctcccacaa	ggacagcagc	420
cggcaacggc	ggccagggaa	tttcagtac	tctctggata	tgaagagg	ccccctgcog	480
ccaggcggt	gggatgacag	tcatttggac	tcagcggg	gggaagggg	cagagaagct	540
cttctgggg	ataccggcac	tggcgacttc	ttaaaagccc	cacagagctt	cggggccgaa	600
ctaaggcgc	ttttgctact	actctttctt	tacgtgc	agggtattcc	cctgggcttg	660
gogggaagca	tcccactcat	tttgc	aaaatgtta	gctatacaga	ccaagtttc	720
ttcagttttgc	tctttggcc	ttcagtctc	aaattactct	ggggcccg	gttgc	780
gtctacgtt	agaacttcgg	tcgtcg	tcttggctt	tcccgcacaca	gtatatacta	840
ggactcttca	tgtatctatt	atccactcag	gtggaccgtt	tgcttggaa	taccgatgac	900
agaaacacccg	acgtgattgc	tctca	gtgtctttt	tgtttgaatt	cttggccg	960
actcaggaca	ttgcgtcga	ttgttggcg	ttaactatgt	tatccagg	aaatgtgg	1020
tatgccttct	tttgcatttc	gttggccaa	acagcgg	actttttgg	caatgttttgc	1080
tttttggcc	ttgaatctgc	cgacttttgc	aacaaatatt	tgcggttca	gcctcaaccc	1140
agaggaatcg	ttacttttc	agatttcc	ttttctggg	gaactgtatt	tttataaaca	1200
acaacattgg	ttgccttct	aaaaaaagaa	aacgaagtat	cagtat	agaagaaaca	1260
caagggatca	cagatactt	caagctgtt	tttgcattt	aaaaatgcc	agcagtctg	1320
acattttgc	ttctgattt	aactgc	attgtttt	cagcagcaga	tgctgt	1380
ggactgaaat	tggtagaaga	gggagtaccc	aaagaacatt	tagccttatt	ggcagt	1440
atggttcctt	tgcagataat	actgcctc	attatcagca	aatacactgc	aggccccag	1500
ccattaaaca	cattttacaa	agccatgccc	tacagattt	tgcttgg	agaatatgc	1560
ctactggttt	ggtgactcc	taaagttagaa	catcaagg	gattccctat	atattactat	1620
atcgtagtcc	tgctgagtt	tgctt	cagttacag	tgtacagcat	gtatgtt	1680
ataatggctt	tcaatgc	ggtagt	ccacttattt	gaggaacata	catgacc	1740
ttaaataccg	tgtccatct	gggagggaa	tggccttct	cagtagctt	ttgctt	1800
gatcccctca	cagtaaaaga	gtgtgttag	gcatcaaacc	agaattgtcg	aacac	1860
gctgttgagc	tttgc	actgggtggc	tcatgtgtt	cagcccttga	tgg	1920
gtggagtcc	ttattttgt	tttgcattt	tttgg	gttcttct	tggcc	1980
tttaaaaagt	tacaggat	aggatcat	tcgtggaaat	gcaaaagaa	caattaat	2040
atatgctact	ggacattct	gcaagg	tgtat	tttaat	gag	2100
ataatcgtg	cacagg	taaaatattt	tttaaac	cgaaattt	aatataaa	2160
gccaaatgg	tgaaaaata	gaaac	tgtat	tttttgc	ttt	2220
tgtcaatgt	tttaaagt	actt	aggaaattt	aaaacaactt	ttctgg	2280
gtatattgt	gtat	taaatttact	gaccaaa	tgttta	tgcaatgc	2340
tagtacggg	tgg	accat	gtagtc	gtacctat	ctgt	2400
gtat	tttgc	tttgc	attgttattt	gt	gt	2460
cacaactgt	ctgacattgt	tggc	gtt	at	ttt	2520
tttatgtgg	aatttgc	gaaa	ttt	ttt	ttt	2580
ttcttatgac	cacattgtac	aat	ttt	ttt	ttt	2640
ctgc	tttgc	tttgc	tttgc	tttgc	tttgc	2682

Homo sapiens SDF2L1 mRNA for SDF2 like protein 1, complete cds.

gctggagccg ggccggggcg atgtggagcg cggggccgcgg cggggctgcc tggccgggtgc	60
tgtggggct gctgctggcg ctgttagtgc cgggcgggtgg tgccgccaag accggtgtcgg	120
agctcgtgac ctgcgggtcg gtgctgaagc tgctcaatac gcaccacccgc gtgcggctgc	180
actcgcacga catcaaatac gatatccggca gcccggcagca atcgggtgacc ggcgttagagg	240
cgtcgacga cgcaatagc tactggcgga tccgcggcg ctcggagggc gggtgcccgt	300
gcgggtcccc ggtgcgctgc gggcaggcg tgaggtcac gcatgtgtttt acgggcaaga	360
acctgcacac gcaccacttc cctgcggccgc tgtccaacaa ccaggaggtg agtgcctttg	420
ggaaagacgg cgagggcgac gacctggacc tatggacagt ggcgtctct ggacagcact	480
gggagcgtga ggctgctgtg cgcttacagc atgtgggcac ctctgtgttc ctgtcagtca	540
cgggtgagca gtatgaaagc cccatccgtg ggcagcatga ggtccacggc atgcccagtg	600
ccaacacgca caatacgtgg aaggccatgg aaggcatctt catcaaggct agtgtggagc	660
cctctgcagg tcacgatgaa ctctgagttgt gtggatggat gggtggatgg aggtggcag	720
gtggggcgtc tgcagggcca ctcttggcag agactttggg tttgttaggg tcctcaagtgc	780
cctttgtat taaagaatgt tggtctatga	810

Homo sapiens RTN2-A (RTN2) mRNA, complete cds.

ccggggagga	ggaggcggcg	agaatggcag	cggcgctcg	ggcgccggcg	agatgagcgc	60
ccgcgacccc	gggcccaagg	cggcacagcc	ggagtggcg	gggttcccg	tgcaggcccc	120
agggggggcca	tggggcagg	cctgccgtc	ttcgcaccact	gcaaagaagc	tccgtctaca	180
gcctcctcaa	ctcctgattc	cacagaagga	gggaacgacg	actctgat	tgcagagctg	240
cacacagccc	gggaattctc	agaggaggac	gaggaggaga	ccacgtcgca	ggactggggc	300
accccccggg	agctgacctt	ctcctacatc	gccttgatg	gtgttagtgg	ctccgggggc	360
cgcagggatt	caactgccc	cgcggccgc	cccoaggggc	gctcagtc	gaaaccacga	420
gaccagcacc	ctcagccag	cctggcgac	agctggaga	gcatcccag	cctgagccaa	480
tcccccggagc	ctggacgacg	gggtgatcct	gacaccgcgc	ctccatccg	gcgcctctg	540
gaagacctga	ggcttcgggt	ggaccatctg	ggctgggtgg	cccgggaaac	ggatccggg	600
gaggactctt	ccaccagcag	ctccaccccg	ctgaaagacg	aagaaccca	agaacccaac	660
agattggaga	caggagaagc	tggggaagaa	ctggacctac	gactccgact	tgctcagccc	720
tcatcgcccc	aggtcttgac	tcccccagtc	agtcgggct	ctgggacacc	ccaggccgg	780
actccgtccc	catcccgatc	gogagattcg	aactctggc	ccgaagagcc	attgctggaa	840
gaggaagaaa	agcagtgggg	gccactggag	cgagagccag	taagggaca	gtgcctcgat	900
agcacggacc	aattagaatt	cacggtgag	ccacgcctc	taggaacagc	tatggaatgg	960
ttaaagacat	cattgtttt	ggctgtttac	aagacggtc	caattttgga	attgtcccc	1020
cctctgtgg	cagccattgg	cgtgggtccaa	aggggcccc	ccccccctac	tcctgtcctc	1080
cgggttctac	tgaagtggc	aaaatcccc	agaagcagcg	gtgtccccag	cctctcactc	1140
ggagccgata	tggggagtaa	agtggcgac	ctgctgtact	ggaaggacac	gaggacgtca	1200
ggagtggct	tcacaggcct	gatggcttcc	ctcctctg	tcctgcactt	tagcatcg	1260
tccgtggccg	cgcacttggc	tctgttgctg	ctctgcggca	ccatctct	cagggtttac	1320
cgcaaaagtgc	tgcaggccgt	gcaccgggg	gatggagcca	acccttcca	ggcctacctg	1380
gatgtggacc	tcaccctgac	tccggagcag	acgaaacgtt	tgtcccacca	gatcacctc	1440
cgcgtggct	cggcgccac	gcagctcg	cacttctcc	tggtagaaga	cctctggat	1500
tccctcaagc	tggccctct	tttctacatc	ttgaccttgc	tgggtgccc	cttcaatgg	1560
ttgactcttc	tcattctgg	agtgatttgt	ctattcacca	ccccctct	gtaccggcag	1620
caccaggctc	agatcga	atatgtgggg	ttggtgacca	atcagttgag	ccacatcaa	1680
gctaagatcc	gagctaaaat	cccagggacc	ggagccctgg	cctctgc	agccgcagtc	1740
tccggatcca	aagccaaagc	ogaatgagaa	cggtgtctc	gcccgcagga	cgcctgccc	1800
cagcccccgc	agccctctgg	ccccctccat	ctctgtccg	ttcccacca	ccccctct	1860
cggcccgagc	cttttcccg	tgggtgtcag	gatca	actaggact	ctgcgcta	1920
tacctgagcg	accaggacta	catttccaa	gaggctctgc	tccaggagtc	cagaaagac	1980
gaggcacctt	ggccgcgggg	cctgctgg	ttttagtt	cctagacagg	gcaccacc	2040
gcacttccgg	acccgcccgt	ggaggcgccg	tgaggcg	gtgtctct	gatgtacta	2100
gcccccaacgc	cggggctt	catggggccc	aggggaggcc	tgagcttga	tttacactgt	2160
aataaagact	cctgtggaaa	aaaaaaaaaa				2190

Homo sapiens cDNA: FLJ22209 fis, clone HRC01496.

cgatgatgag	gctgaagaaa	aggaagacaa	agaagaagaa	aaagaaaaaag	aagagaaaaga	60
gtcggaaagac	aaacctgaaa	ttgaagatgt	tggtctgtat	gaagaagaag	aaaagaaaacc	120
aaagactaaa	aaagtgaaa	aaactgtctg	ggactggaa	cttatgaatg	atatcggtca	180
taaactttcc	tatttatgt	tggagcagca	agactgaaac	tgttgaggag	cccatggagg	240
aagaagaagc	agccaaagaa	gagaagaaga	aatctgtat	tgaagctgca	gtagaggaag	300
aagaagaaga	aaagaaacca	aagactaaaa	aagtgaaa	aactgtctgg	gactggaaac	360
ttatgaatga	tatcggtcat	aaactttcct	atttatgtat	ggagcagcaa	gactgaaact	420
gttgaggagc	ccatggagga	agaagaagca	gccaaagaag	agaaagaaga	atctgtatgt	480
gaagctgcag	tagaggaaga	agaagaagaa	aagaaacca	agactaaaaa	agttgaaaaa	540
actgtctggg	actggaaact	tatgaatgt	atcggtcata	aactttccta	tttatgtatg	600
gagcagcaag	actgaaactg	ttgaggagcc	catggagaa	gaagaagcag	ccaaagaaga	660
gaaagaagaa	tctgtatgt	aagctgcagt	agaggaagaa	gaagaagaaa	agaaacccaa	720
gactaaaaaa	gttggaaaaa	ctgtctggg	ctgggaaactt	atgaatgata	tgcgtcataa	780
actttcctat	ttatgtatgg	agcagcaaga	ctgaaactgt	tgaggagccc	atggaggaag	840
aagaagcagc	caaagaagag	aaagaagaat	ctgtatgt	agctgcagta	gaggaagaag	900
aagaagaaaa	gaaacccaa	actaaaaaa	ttgaaaaaac	tgtctggac	tgggaaactt	960
tgaatgata	cgttcataaa	ctttcctatt	tatgtatgg	gcagcaagac	tgaaactgtt	1020
gaggagcccc	tggaggaaga	agaagcagcc	aaagaagaga	aagaagaatc	tgatgtatgaa	1080
gctgcagtag	aggaagaaga	agaagaaaag	aaacccaaaga	ctaaaaaaagt	tgaaaaaaact	1140
gtctgggact	gggaaacttat	aatgtatatc	gttcataaac	tttccatttt	atgtatggag	1200
cggcaagact	gaaactgttg	aggagccat	ggaggaagaa	gaagcagcca	aagaagagaa	1260
agaagaatct	gatgtatgt	ctgcagtaga	ggaagaagaa	gaagaaaaga	aacccaaagac	1320
taaaaaagtt	gaaaaaaactg	tctggactg	ggaactttag	aatgtatatc	ttcataaaact	1380
ttcctattt	tgtatggagc	agcaagactg	aaactgttga	ggagccatg	gaggaagaag	1440
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aagaaaaagaa	acccaaagact	aaaaaaagt	aaaaaaactgt	ctggactgg	gaactttatg	1560
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gagcccatgg	aggaagaaga	agcagccaa	gaagagaaaag	aagaatctga	tgatgaagct	1680
gcagtagagg	agaagaaga	agaaaaagaaa	ccaaagacta	aaaaagttga	aaaaactgtc	1740
tggactggg	aacttatgaa	tgatatcg	cataaacttt	cctatttatg	tatggagcag	1800
caagactgaa	actgttgagg	agcccatgaa	ggaagaagaa	gcagccaaag	aagagaaaga	1860
agaatctgat	gatgtatgt	cagtagagga	agaagaagaa	gaaaagaaac	caaagactaa	1920
aaaagttgaa	aaaactgtct	gggactggg	acttatgaa	gatatcg	ataaaactttc	1980
ctatattatgt	atggagcagc	aagactgaaa	ctgttgagga	gcccatggag	gaagaagaag	2040
cagccaaaga	agagaaagaa	aatgtatgt	atgaagctgc	agtagaggaa	aaaaaaaaaa	2100

Homo sapiens UDP-N-acetylglucosamine-2-epimerase mRNA, complete cds.

cggcgtctgg aactctat	tt tagaacctct caaaaacgaaa caagcaa	atc atggagaaga	60
atggaaataa ccgaaagctg	cgggttgc ttgctacttg taaccgtgca	gattattcta	120
aacttgc	cccc gatcatgtt ggcattaaaa ccgaacctga	gttctttgaa cttgatgtt	180
tggta	ctctcacctg atagatgact atggaaatac	atatcgatg attgaaca	240
atgactt	ga cattaacacc aggctacaca caattgttag	gggagaagat gaggcagcc	300
tgg	tggtggagtc agtaggcctg gccctagtga agctgccaga	tgtcttaat cgctgaa	360
ctgat	atcat gattgttcat ggagacagg	ttgatgccct ggctctggcc acatctgctg	420
cottgat	gaa catccgaatc cttcacat	tttgggaa agtcagtggg accattgtat	480
actctat	ca gatgcata acaaaactgg ctcattatca	tgtgtgc tgc acccgagt	540
cagagcagoa	cctgatatcc atgtgtgagg accatgatcg	catccttttgc acggctg	600
cttcctat	gaa caaacttctc tcagccaaga acaaaagacta	catgagcatc attcgatgt	660
ggcttaggt	tgatgtaaaaa tctaaagatt acattgtgc	actacagcac cctgtgacca	720
ctgacattaa	gcattccata aaaatgttgc aattaacatt	ggatgcactt atctcat	780
acaagcggac	cctagtcctg tttccaaata ttgacgcagg	gagcaagag atggttcgag	840
tgatgcggaa	gaaggcatt gagcatcatc ccaacttgc	tgcagttaaa cacgtccat	900
ttgaccagg	tatacagttt gttgcccattt ctggctgtat	gattgggaa acgagctgt	960
gggttcgaga	agttggagct tttggAACAC ctgtgtat	cctggaaaca cgtcagatt	1020
gaagagaaac	gggagaat gttcttcattt tccggatgc	tgacaccCAA gacaaaat	1080
tgcaagcact	gcacccatc tttggtaaac agtacc	ttcaaaagata tatggggat	1140
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aaaagaaatt	ctgcttcctt cctgtgaagg agaataatctc	tcaagatatt gaccatattc	1260
ttgaaaactct	aagtgccttgc ggcgttgc ttggcgggac	gaacctccga gttcaatag	1320
tcagcatgaa	gggtgaaata gttagaagttt atactcagtt	caatctaaa acctatgaag	1380
agaggattaa	tttaatccta cagatgtgtg tggaagctgc	agcagaagct gtaaaactga	1440
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ttgtgtcga	ttcaacccaa ctgatccaaat agtggaaactc	tgtggacattt aggaccccc	1560
tttctgacac	tttgcatttc cctgtgtggg tagacaatga	tggcaactgt gctgccttg	1620
cgaaaaggaa	atttggccaa ggaaaggac tgaaaactt	tgttacactt atcacaggca	1680
caggaatcgg	tggtaattt atccatcagc atgaattgtat	ccacggaaac tccttcttg	1740
ctgcagaact	ggccacctt gttgtgttc tggatggcc	tgattgtcc tggaaagcc	1800
atgggtgcac	tgaagcatac gcctctggaa tggccttgc	gagggagca aaaaagctcc	1860
atgatgagga	cctgcttgc gtggaaaggaa tgtca	aaaagatgag gctgtgggt	1920
cgc	ccatcttgcgt gcaatgcgaa	ggcccagac atcataagaa	1980
cagctggaaac	agtttgggtt cttgggggtt tgaacatctt	ccataccatg aatccctccc	2040
tttgtatcct	ctccggatc ctggccagtc actatatcca	cattgtcaaa gacgtcatc	2100
gc	ccatcttgcgt gcaatgcgaa	ggtttgcgtt ttgttgacc	2160
ccgcctgct	gggtgctgcc agcatggtgc tggactacac	aacacgcagg atctactaga	2220
cctccaggaa	cagacatggaa cttctctcc agagctccgt	agtggaaatca agtcttgc	2280
tttaggagta	gcctttctta acaatcaa at ctgtattgaa	ctgacggta cttggcaga	2340
gaatgttca	ctttgttctc ctcttccaga gtcacccat	ccactcta	2388

Homo sapiens carcinoembryonic antigen 2a (CGM2) mRNA, complete cds.

gccccatgggtt	ccccttcagc	ctgtccatac	agagtgtgca	tccctggca	ggggctcctg	60
ctcacagcct	cgcctttaac	cttctggAAC	ctgccaaaca	gtgcccagac	caatattgat	120
ggtgtgccgt	tcaatgtcgC	agaagggaag	gaggccttc	tagtagtcca	taatgagtcc	180
cagaatctt	atggctacaa	ctggtacaaa	gggcaaaggG	tgcatgccaa	ctatcgaatt	240
ataggatatg	taaaaaatat	aagtcaagaa	aatgccccag	ggcccgacA	caacggtcga	300
gagacaatat	accccaatgg	aaccctgctg	atccagaacg	tcacccacaa	tgacgcagga	360
ttctataccC	tacacgttat	aaaagaaaat	cttgtaatg	aagaagtaac	cagacaattc	420
tacgtattct	cggagccacc	caagccctcc	atcaccagca	acaacttcaa	tccggtgag	480
aacaaagata	tttgtggttt	aacctgtcaa	cctgagactc	agaacacaac	ctacctgtgg	540
tggtaaaca	atcagagcct	cctggtcagt	cccaggctgc	tgctctccac	tgacaacagg	600
accctcgTT	tactcagcgc	cacaaagaat	gacataggac	cctatgaatg	tgaardatcag	660
aacccagtag	gtgccagccg	cagtgaccca	gtcaccctga	atgtctgcta	tgagttagta	720
caagcaagtt	cacctgacct	ctcagctggg	accgctgtca	gcatcatgat	tggagtactg	780
gctggatgg	ctctgatata	gcag				804

yh42a11.r1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:132380 5', mRNA sequence.

ggttttaca agagtaaacac	atttaaattt acagaggtaa	gaatttcctt ggagaaatag	60
gtgctggta taataggagt	atctttcttt tccatatcaa	cataattata ataaaataact	120
cacagattta aaggcttatt	ttgtgccagg cattctgctg	agtgccttac atacatgtct	180
catgtaatcc tcccacacgc	tctgcagggc caggagttt	tgattatctt gatTTtatAG	240
gaataggtaa tgtaatgctc	agagagggtt aaacatctgg	gttaggtcac acaggctaat	300
ccaatactta ggttttaagg	ttttgaggac tgggggtgcn	gtgggctcca cggcctgtaa	360
tccccngca ctttggggga	ggcntaggcc gggncggc	cccggggtcn ggggtcccng	420
gccccctccgg			430

Homo sapiens immediate early response 3, transcript variant short, mRNA

ctccgctcggttcaccatgt	gtcactctcg cagctgccac	ccgaccatga ccatactgca	60
ggccccgacc ccggccccct	ccaccatccc gggaccccccgg	cggggctccg gtctcgagat	120
cttcacccctc gaccctctcc	cgagccccgc agcgccccct	gccgggccc ccagcgccctc	180
tcgcgggcac cgaaagcgca	gccgcagggcgt tcttacccct	cgagtggcc ggcgccagct	240
gccagtcgag gaaccgaacc	cagccaaaag gtttctcttt	ctgctgtca ccatacgctt	300
ctgccagatc ctgatggctg	aagagggtgt gccggcgccc	ctgcctccag aggacgcccc	360
taacgcccga tccctggcgc	ccacccctgt gtccccctgc	ctcgagccct ttaatctgac	420
ttcggagccc tcggactacg	ctctggacct cagcaattt	ctccagcaac accccggccgc	480
cttctaactg tgactccccg	cactccccaa aaagaatccg	aaaaaccaca aagaaacacc	540
aggcgtacctt ggtgcgcgag	agcgtatccc caactggac	ttccgaggca acttgaactc	600
agaacactac agcggagacg	ccacccggtg ttgaggcgg	gaccgaggcg cacagagacc	660
gaggcgcata gagaccgagg	cacagccccag ctggggctag	gcccgggtggg aaggagagcg	720
tcgttaattt atttcttatt	gtcctaattt aatatttata	tgtatttatg tacgtctcc	780
taggtatgg agatgtgtac	gtatatttta tttaactta	tgcaagggtg tgagatgttc	840
cccctgtgt aaatgcagg	ctcttggtat ttattgagct	ttgtgggact ggtggaaagca	900
ggacacctgg aactgcggca	aagttaggaga agaaatgggg	aggactcggg tgggggagga	960
cgtcccggtc gggatgaagt	ctgggtggtg gtcgttaagtt	taggaggtga ctgcattctc	1020
cagcatctca actccgtctg	tctactgtgt gagacttcgg	cgaccatTA ggaatgagat	1080
ccgtgagatc ttccatctt	tttgaagtcg cctttaggt	ggctgcgagg tagagggttg	1140
ggggttggtg ggctgtcacg	gagcgtactgt cgagatcgcc	tagtatgtt tgcataacaca	1200
aataaaattt atttactgtc	tgcaaaaaaaaaaaaaaaa		1238

7f03b12.x1 NCI_CGAP CLL1 Homo sapiens cDNA clone IMAGE:3293567 3', mRNA sequence.

ggtatttact tagctatgt aaagaataaa aagtcatat aaaaaacgcga taggacagat	60
aacagactca caacgtattt agatttaaac actgctggtc tacgtaacct gttacaaaag	120
agagcaaaac ctaactgtca gcatagacat taaagctcac cgttgattat agtcaggc	180
ctgctcagca ttgtttaaaa agggtcactc acagtttgat ccaaagagtgc tgggttttc	240
tatgaactca taaactgttt tatctgaaaa ggtgattttc taagtagtgt aagccatggg	300
tacatggtgc aaaaagttca tgttctcaact cagctggtga gcgaaggatg ggagcagaga	360
acagagctaa aaccctggt ttccctttcc ccagatgtaa agcctgctag ctgaaactca	420
cagaagattt gaacaaaaag ataggagatg gacacctgng ggactgctcc agcacgaagg	480
gaagcgatga gcatcacaca gcag	504

human full-length cDNA 3'-PRIME end of clone CS0DA009YG15 of NEUROBLASTOMA
of Homo sapiens (human)

ttttttttt atttyttaw cacttccaat aaactagcat aagttttatt acaacatata	60
cagatttgat acagttaca aaaaaaacta gattttcaa ctaaataaaa atgtcttta	120
ascmvtkva gttggcttag agacatggta ttttcttc aaaactgtgt ttctacaatg	180
atttctaagg tcccagtctt gcttgactt gacagtyacc ctcataaag caacattaag	240
akctctgata tcttttagtaa agaatacaaa accctgtktt tcttaaaawc ctaatgctga	300
aagayatgtt atagccaatc cagacaaaaca tttatattt aacattata tttaaaca	360
angyctctct gaacaaatag cctgcbgaga taaatacagt gatttggaa taagagtgtt tcttcccttg	420
ctattnagca tgtttaaacac attattctgt agtttggaa taagagtgtt tcttcccttg	480
aagaaaaacag gtccccctct gaagaataat gctgattacc ccccaaaatc aaaatagacc	540
agcaccaaat gaagtattaa tttacaaaca tgaacttaga acttagctct tacttcttga	600
agttctacat cccagactta ataaattaaac tacaaaatca ggagtttcat cagctacagt	660
ataatttaaa aatccatccc caactggcag gagtgaggga gaaggtcaat tgcactgatc	720
accatgaact tcaagaattt catcaaaaact ttttccctcg cttatatttgc cttcagagg	780
tgagctgttag attaccatct ctgatgtttt aacatataat attcttggaa aaatctctc	840
aaagagcaca gcatgtaaag cactaaactg tgttcagatc tgaggagatct gcatggaaag	900
acctgagacc tctctgaaga gccaaaaaca agtggtgtc tcagtgtatmc atctattcat	960
cctcacaaga catgcattga gtttttttat tcacagattt atgttagtcc ttagacccat	1020
gccatgtcca gttcagactg tcggctatca ggygtctct tgcactcy tggagtctgt	1080
aattgwytcg actgtgtgat mtgtrcttg amarwgtctg cgccatgtgc atagtgcacat	1140
cccagcatac gkccmcmca w tcggcastgc ggcttcccg gwtwcttct gcctkaacca	1200
g	1201

602288121F1 NIH_MGC_97 Homo sapiens cDNA clone IMAGE:4373861 5', mRNA sequence.

agcgtggctg	gtgaggaagc	cgtcgggagc	cgccgcgc	atctgaggga	ggtaccctgg	60
aaaccacctt	ttatcggtgg	gaaagtgcag	tgcgggtggg	cggctctggg	ggcagcgaa	120
acgggaggcc	tctaaatctt	tagttggggc	tgcattgccc	tggagccca	ctcttgagtc	180
cgaggccatc	ttttgttggg	gaaggcgctcg	gcgttgggt	tttcccggagg	ttgggctgtta	240
cagtgtctcc	gtcccgaa	aaagaagct	ctgaacccgc	gccggcccg	agccccctg	300
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ctcaggaaac	accataaaaa	aagaacaaaaa	agggaatatc	tggatttct	ggcgaggag	540
gagcgagtct	gctcgggagc	tgttccagca	ggcgattttt	aaatactgg	ttctacgccc	600
tatacaactt	ggcttccat	acttttacaa	cttaacctt	ttatgattt	aaaaaaactgg	660
tctgttccgg	gacttctccg	gccgggacac	cggtaacgg	aggctctggcc	gggctcccg	720
cggcccttgg	gacctactt	gtggggacact	taaccatcg	agacagaat	ccggtgacgg	780
cggccaagaag	ctggaccagg	ggcttcggcg	tcgaccacac	ctgttagagc	cggaccatgg	840
cccgagccgc	ggcgcccccc	cgaggccac	aggccaaggc	gggcgaggca	gcgctcgaaa	900
acacggtgac	cccaagaggg	agaagccact	agcgcagaaag	ggaan		945

Homo sapiens organic anion transporter polypeptide-related protein 1
(OATPRP1) mRNA, complete cds.

ggcacgaggc gctgcgcggc	gcggcgcccg ggcccctcgag	acggggacgg acacaccagc	60
ccctcgata ccacttggcc	actcccgctg aggccactcc	cactgcgtgg ctgaagcctc	120
gaggtcacca ggccggaggcg	cggagatgcc cctgcacatcg	ctgggggaca agccgctcac	180
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ggcatccccg ggcacaccccc	tgagccccgg ctccccccgc	tccgctgccc atagccccct	300
ggacaccagc aagcagcccc	tctgcccagct ctggccgag	aagcatggcg cccgggggac	360
ccatgaggcg cggtacgtct	cgccggggca gagcgtggcg	tgcggctgggt gggccttcgc	420
accggcgtgc ctgcagggtcc	tcaacacgcc caagggcattc	ctgttcttcc tttgtgcggc	480
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gcccgcgtat gacctgcaca	gctaccagag cgggctcatc	gccagctctt acgacattgc	600
cgcctgcctc tgccctaccc	tcgtcagcta cttcgggggc	tcagggcaca agccgcgtg	660
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cggcgcgggtg tgtgcggaca	gcacctcggg cctgtcccg	taccagctgg tcttcatgt	840
ggccagttc ctgcattggcg	tgggtgccac acccctctac	acgctggcg tcacctaccc	900
ggatgagaac gtcaagtcca	gtgtctcgcc cgtctacatt	gccatcttcc acacagcgcc	960
catcctgggc ccagctgccg	gtacccgtat tggaggtgcc	ctgctgaata tctacacgg	1020
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cgccttcctg ggctctgggg	ccgctgtt cttcaccggc	gttcccatcc ttggttaccc	1140
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gaaggacacg agccgtgggg	aggcgagcaa cccggacttt	ggaaaacca tcagagaccc	1260
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ccagttcagc ctgagtgcc	cagaagctgc caccttgtt	gggtacctgg tgggtccagc	1440
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ctcaactgcac tgccccagtg	tgcccatggc gggcgtcaca	gccagctacg gcgggagcc	1620
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ctgtatccct cagaatctt	cctctggtt tggccatgcc	actgcaggga aatgcacttc	1860
aacttgcac agaaagcccc	tccttctggt ttcatattc	tttgcattt tcttacatt	1920
cctcagcagc attcctgcac	taacggcaac tctacgtatgt	gtccgtgacc ctcagagatc	1980
ccttgcctcg ggaatccagt	ggattgtagt tagaatacta	ggggccatcc cggggcccat	2040
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cctgtacaag gtgtctggcg	tcctcttcc tgccatagcc	tgcttcttat acaagcccc	2220
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tgccacagat agccagctcc	agagcagcgt ctgaccaccc	cccgcccca ccggccacg	2340
gggggcactc agcatttcc	gatgacagaa cagtggcg	gggtgatgca atcacacggg	2400
aacttctatt tgacctgcaa	ccttctactt aacctgttgg	ttaagtccg ctgtgaccc	2460
ctgtccccag agctgtacgg	ccctgcagtg ggtggagga	acttgcataa atatatattt	2520
atggacacac agtttgcac	agaacgtgtt tatagaatgt	gttttatacc cgatcgtgt	2580
tgggtgtcggt gaggacaaac	tccgcagggg ctgtgaatcc	cactgggagg gcggggggcc	2640
tgcagcccgaa ggaaggcttg	tgtgtcctca gttaaaaactg	tgcatatcga aatatatttt	2700
gtatattaag cctgcgaaaa	aaaaaaaaaa aaaaaaaaaa	aaaaaaaaaa aaaaaaaaaa	2760
aaa			2763

Homo sapiens cDNA: FLJ21243 fis, clone COL01164.

acaagaatga	atgaatgtct	ttgtcttaaa	tttgcccat	gtgtaaaag	atgttaattct
cagaatggga	gagaaatgac	taccttgg	cctactctt	tatataatta	tccttttagg
gaaagacttg	gtcaactcta	atatatctag	aaggaagact	atatctggg	tagactaata
tgagatgttt	tagaagagt	aacatgaaca	cttgggg	gagattattc	ttgccagcaa
aaagctagcc	aggaatgagc	ctaccacatt	atttgagaat	atcaaaccctc	aggcctggg
ggttgagggg	aagaagatta	ccagaagtgc	agggaaagaga	agtttggagga	acacccttgg
cttagcaaca	tgtgataatg	caaagctggt	ataacctgtt	aatccctacgt	actatgtgtt
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tttagcctagg	tgaaaagtag	tcctagcagt	gtaaatatgt	ataatttagag	ttttctaatt
tcactgtgag	atctctaact	tttgagtggc	aaacagatca	agtttttgc	tcatagactt
ttctgtgggg	ttattaaaat	gcaaaaagctt	tatTTTTT	aataatgcca	tactccatta
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tatagattgc	cagcagagtt	cagaaataga	gcagggattt	accctgttctt	tgcttgacca
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cagtgtttc	tttttctt	ttgataagat	ggatatcaaa	aatagttgct	gtgcääaaagt
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ggggtgtata	tttgttacat	gtgtcatttt	agttaggcat	tgtaggccaa	atgtgattat
aaatgaagtt	gatgaacatt	aattttgtt	tttagtgagtt	ttttgaattt	taaatggatt
tccagtttac	cttctgttg	ctacagctt	tttaattttt	aggtttgact	aattgtatcc
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actgtgtgtt	attttggccag	ctgtgtcatt	agccttcaaa	agtatttgg	aacttaagat
gaactacatt	tcttgcaaaag	tacattccct	tctgtggat	tttgcctgt	aactgaagta
tagtaattat	tttatggaaa	tgtagcaat	tctgtaccaa	cttgaataa	aatgaaaaat
ttaaaaaaaaaa	aaaaaaaaaa				1880

ab38f03.s1 Stratagene HeLa cell s3 937216 Homo sapiens cDNA clone
IMAGE:843101 3' similar to contains Alu repetitive element;, mRNA sequence.

ttttgagatg aagtctcgcg ctcttgcgg ctaggcttgg gtcgttatgtatgcgtatcttgg.	60
ctaactgcag cttctgcccc ttgggttcaa gtgattctcc tgcctcagcc tcccgagtag	120
ctgggattac aggcgcctgc caccacgccc ggctaaattt tatattttta gttgagacag	180
ggtttcccca tggttgcagg gctgtatctcg aactcctgac ctcaggtat tcggccgcct	240
cagcctccca aagtgttggg attacaggca tgagccaccg tgccggacct attaaaaat	300
ctttttgaag tacagtacta ataaaactaag gactacctag agatcacact tttagatatt	360
atctatTTTA acatacgatTTTaaaatactgt ttatATGAAA attaAGCTTA aataCACGTa	420
taggtataaa ttatTTGCC catatacaag taatgtaaac agag	464

Homo sapiens KPL1 (KPL1) mRNA, complete cds.

aagaaaatggc	cctggtgagg	ggcggtggc	tgtggagaca	gagctccatc	ctccggccgt	60
ggaaggcgaa	ctggttgcc	ctgtggctgg	acgggaccct	gggataactac	cacgatgaga	120
cagcgcagga	cgaggaggac	cgtgtgctca	tccactcaa	tgtccgtgac	ataaaagatcg	180
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ctctggaggg	aagtttcatg	attgcatcta	taatgaatat	attgcctgtt	ttgtgaatac	1380
tgacacatgt	ccataacctaa	aacactcctg	agttaagtcc	cattttcccc	acaaacagct	1440
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cccttccagt	ctcttccccc	tttctatccc	aatcaccaat	agaaatgcta	acatccctgc	1800
ctggtagcca	ga					1812

Homo sapiens carboxypeptidase, vitellogenin-like, transcript variant 2,
mRNA (cDNA clone MGC:10029 IMAGE:3888647), complete cds.

agcgctgcaa ggacaaccgg ctggggtcct tgcgcgcgc ggctcaggga ggagcaccga	60
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tgcctcggt ccctcgact tagggagcgc gggcagacc ctgagagatg gtttgtccaa	180
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gtccccata cagaagtgtt tccatgccac ctaaggaga ctcaggacag ccattatttc	300
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ggcccttatgt tgtcacaagt aacatgacct tgcgtgacag agacttcccc tggaccacaa	600
cgtctccat gcttacatt gacaatccag tggcacagg cttcagttt actgatgata	660
cccacggata tgcagtcaat gaggacgtg tagcacggga tttatacagt gcactaattc	720
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atcagcttta ctatgtaaa tttttgtcact tccagaggt gagacaagcc atccacgtgg	1200
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gccaactgga catcatcggt gcagctgccc tgacagacgc ctccttgatg ggcatggact	1380
ggaaaggatc ccaggaatac aagaaggcag aaaaaaaaaa ttggaagatc tttaaatctg	1440
acagtgaagt ggctggttac atccggcaag tgggtgactt ccatcagta attattcgag	1500
gtggaggaca tattttaccc tatgaccagc ctctgagacg ttttgacatg attaatcgat	1560
tcatttatgg aaaaggatgg gatcctttagt ttggataaac taccttccca aaagagaaca	1620
tcagagggtt tcattgctga aaagaaaaatc gtaaaaacag aaaatgtcat aggaataaaaa	1680
aaatttatctt ttcatatctg caagattttt ttcatcaata aaaattatcc ttgaaaaaaaaa	1740
aaaaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa	1772

Homo sapiens teratocarcinoma-derived growth factor 1, mRNA (cDNA clone MGC:24110 IMAGE:4615416), complete cds.

agtttcccct	ggacgccttg	ctcctgcttc	tgctacgacc	ttctggggaa	aacgaatttc	60
tcattttctt	cttaaattgc	cattttcgct	tttagagatg	aatgttttcc	tttggctgtt	120
ttggcaatga	ctctgaatta	aagcgatgct	aacgcctctt	ttccccctaa	ttgttaaaag	180
ctatggactg	caggaagatg	gcccgccttct	cttacagtgt	gatttggatc	atggccattt	240
ctaaaggcctt	tgaactggga	ttagttgcgg	ggctgggcca	tcaggaattt	gctcgtccat	300
ctcggggata	cctggccttc	agagatgaca	gcatttggcc	ccaggaggag	cctgcaattc	360
ggcctcggtc	ttcccaagcgt	gtgccgcca	tggggataca	gcacagtaag	gagctaaaca	420
gaacctgctg	cctgaatggg	ggaacctgca	tgctggggtc	cttttgtgcc	tgccctccct	480
ccttctacgg	acggaactgt	gagcacgatg	tgcgcaaaga	gaatttgtgg	tctgtgcccc	540
atgacacctg	gctgcccagg	aagtgttccc	tgtgtaaatg	ctggcacgg	cagctccgt	600
gctttcctca	ggcatttcta	cccggtctgt	atggccttgt	gatggatgag	cacctcgtgg	660
cttccaggac	tccagaacta	ccaccgtctg	cgcgtactac	cacttttatg	ctagttggca	720
tctgccttcc	tatacaaagc	tactattaaat	cgacattgac	ctatttccag	aaatacaatt	780
ttagatatac	tgcaaatttc	atgaccagta	aaggctgctg	ctacaatgtc	ctaactgaaa	840
gatgatcatt	tgttagttgcc	ttaaaataat	gaatacattt	ccaaaatgg	ctctaacatt	900
tcottacaga	actacttctt	acttctttgc	cctggccctct	ccaaaaaaac	tacttctttt	960
ttaaaaqagaa	agtcaaggcat	atctccatgg	tgccctaagtc	cagtgtttct	tttttttttt	1020
tttttgagac	ggagtcctcac	tctgtcacc	aggctggact	gcaatgacgc	gatcttggtt	1080
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gggattacag	gcatgtgtca	ccatgcccag	ctaatttttt	tgtattttta	gtagagatgg	1200
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agcctctcga	agtgcgtaga	ttacacacgt	gagcaactgt	gcaaggccctg	gtgtttcttg	1320
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tcagattatt	ggagactaat	tctaatgtgg	accttagaat	acagtttga	gtagagttga	1440
tcaaaatcaa	ttaaaatagt	ctctttaaaa	gaaagaaaa	catctttaag	gggaggaacc	1500
agagtgcgt	aggaatggaa	gtccatctgc	gtgtgtgcag	ggagactgg	taggaaagag	1560
gaagcaaata	gaagagagag	gttggaaaaac	aaaatgggtt	acttgattgg	tgatttagtg	1620
gtggtagaga	agcaagtaaa	aggctaaat	ggaagggcaa	gtttccatca	tctatagaaaa	1680
gctatataag	acaagaaatc	ccctttttt	cccaaaggca	aaaaaaaaaa	aaaaaaaaaa	1740
aaaaaaaaaa						1748

Homo sapiens lipase mRNA, complete cds.

gccgggtcgg	ggcgccccgg	cttttctgtc	ggaggacgcg	aaccggcacg	ctgcgccttt	60
aaggagtcgg	gctgggctgg	gcccggagc	tgggagccgc	gcgggttagga	gcccggcggc	120
agggtcccagc	ccggggctag	agaccgaggg	ccggggtcgg	ggcccccgg	cggacccag	180
gcccggtaggg	ctggtcagaa	tctcattttc	aggacccagg	cggttgaggc	tggtcaggag	240
tcagccagcc	tgaaagagca	gatatggatct	tgatgtggtt	aacatgtttg	tgattgcggg	300
cggcacgctg	ccatcccaa	tcctggcatt	tgtgcttca	tttcttctgt	ggccttcagc	360
actgataaga	atcttattt	ggtactggcg	gaggacattt	ggcatgcaag	tccgcttatgt	420
tcaccatgaa	gactatcagt	tctgttattt	cttcggggc	aggcctggc	acaaacccctc	480
catcctcatg	ctccacggat	tctctgcca	caagatatg	tggctcagtg	tggtaagtt	540
ccttccaaag	aacctgcact	tggtctgcgt	ggacatgcca	ggacatgagg	gcaccacccg	600
ctcctccctg	gatgacctgt	ccatagatgg	gcaagttaa	aggatacacc	agtttgtaga	660
atgcctgaag	ctqaacaaaa	aaccttcca	cctgttaggc	acctccatgg	gtggccaggt	720
ggctggggtg	tatgtgcctt	actacccatc	ggatgtctcc	agcctgtgtc	tcgtgtgtcc	780
tgctggcctg	cagtactcaa	ctgacaatca	atttgtacaa	cggtcaaaag	aactgcaggg	840
ctctggccgc	gtggagaaga	ttcccttgc	ccgtctacc	ccagaagaga	tgagtgaaat	900
gcttcagctc	tgctcctatg	tccgcttca	ggtggccca	cagatcctgc	aaggccttgc	960
cgatgtccgc	atccctcata	acaacttcta	ccgaaagttt	tttttggaaa	tcgtcagtga	1020
gaagtccaga	tactctctcc	atcagaacat	ggacaagatc	qagggtccga	cgcagatcat	1080
ctggggggaaa	caagaccagg	tgctggatgt	gtctggggca	gacaatgttgc	gccaagtcaa	1140
ttgccaactg	ccaggtggag	tttctggaaa	actgtggca	ctcagtagtg	atggaaaaaa	1200
cccaggaaga	cagccaaagct	cataatcgac	tttttagctt	ctgtgcaaaa	cacagacaaa	1260
caacaagaag	ctggacttga	aggcccccaa	ctgcagcctg	gaatttttga	acacagcatt	1320
ctgtttccca	ttcccccaag	ttttgacgca	gccaaccatt	ttaagggat	tcctggccca	1380
aattgcgggt	ggaagcgcca	attgaccctt	ggagggaaagc	ccgtcccctt	attccccggg	1440
tatccacgggt	tccccagagc	tttggggacc	acggcgaaaa	cctccaagat	a	1491

Homo sapiens v-fos FBJ murine osteosarcoma viral oncogene homolog, mRNA
(cDNA clone MGC:11074 IMAGE:3688670), complete cds.

ccaagactga	gccggcgccc	gccccgcagc	gaacgaggcag	tgaccgtgct	cctacccagc	60
tctgcttcac	agcgccccacc	tgtctccgccc	cctccggcccc	tcgccccggct	ttgcctaacc	120
gccacatgt	tgtttcgggg	cttcaacgca	gactacgagg	cgtcatcctc	ccgctgcagc	180
agcgctccc	cgccccggga	tagcctctct	tactaccact	cacccgcaga	ctccttcctcc	240
agcatgggt	cgcctgtcaa	cgcgaggac	ttctgcacgg	acctggccgt	ctccagtgcc	300
aacttcattc	ccacggtcac	tgccatctcg	accagtccgg	acctgcagtg	gctggtgccag	360
cccgccctcg	tctccctgt	ggcccatctcg	cagaccagag	cccctcaccc	tttcggagtc	420
cccgccccct	ccgctggggc	ttactccagg	gctggcggtt	tgaagaccat	gacaggaggc	480
cgagcgcaga	gcattggcag	gaggggcaag	gtggAACAGT	tatctccaga	agaagaagag	540
aaaaggagaa	tccgaaggga	aaggaataag	atggctgcag	ccaaatgccg	caaccggagg	600
agggagctga	ctgatacact	ccaagcgagg	acagaccaac	tagaagatga	gaagtctgt	660
ttgcagaccc	agattgccaa	cctgctgaag	gagaaggaaa	aactagagtt	catcctggca	720
gctaccgcac	ctgcctgcaa	gatccctgtat	gacctgggt	tcccagaaga	gatgtctgt	780
gcttccttg	atctgactgg	gggcctgoca	gaggttgcac	ccccggagtc	tgaggaggcc	840
ttcacccctgc	ctctcctcaa	tgaccctgag	cccaagccct	cagtggaaacc	tgtcaagagc	900
atcagcagca	tggagctgaa	gaccgagccc	ttttagtact	tcctgttccc	agcatcatcc	960
aggcccagtg	gctctgagac	agcccgctcc	gtgcagaca	tggacctatc	tgggtccttc	1020
tatgcagcag	actggggagcc	tctgcacagt	ggctccctgg	ggatggggcc	catggccaca	1080
gagctggagc	ccctgtgcac	tccgggtggc	acctgtactc	ccagctgcac	tgcttacacg	1140
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cgcaagggca	gcagcagcaa	tgaggcttcc	tctgactcgc	tcagctcacc	cacgctgt	1260
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tggtgtcatta	cagagaggag	aaacacatct	tcccttagagg	ttccctgttag	acctagggag	1380
gaccttatct	gtgcgtgaaa	cacaccaggc	tgtgggcctc	aaggacttga	aagcatccat	1440
gtgtggactc	aagtccctac	ctcttccgga	gatgttagca	aacgcattgg	gtgtgtattg	1500
ttcccagtga	cacttcagag	agctggtagt	tagtagcatg	tttagccagg	cctgggtctg	1560
tgtctctttt	ctcttctcc	tttagtcttct	catagcatta	actaatctat	tggttcatt	1620
attggaaatta	acctgggtct	ggatattttc	aaatgtatc	tagtcagct	gattttaaaca	1680
ataactactg	tgttcctggc	aatagtgtgt	tctgattaga	aatgaccaat	attataactaa	1740
aaaaagatac	gacttttattt	tctggtagat	agaaataaaat	agctatatcc	ataaaaaaaa	1800
aaaaaaaaaa	aaaa					1814

Homo sapiens endoplasmic reticulum lumenal Ca²⁺ binding protein grp78 mRNA, complete cds.

atgaagctct ccctggtggc cgcgatgctg ctgctgctca ggcgcggcg ggcgaggag	60
gaggacaaga aggaggacgt gggcacggtg gtcggcatcg acctgggac cacttactcc	120
tgcgtcgcc tggtaagaa cggccgcgtg gagatcatcg ccaacgatca gggcaaccgc	180
atcacgcgt cctatgtcgc cttcactct gaaggggaaac gtctgatgg cgatgccgc	240
aagaaccagg tcaccccaa ccccagaac acggctttg acgccaagcg gctcatcgcc	300
cgcacgtgga atgaccgc tc tggcagcag gacatcaagt tcttgcgtt caaggtgggt	360
gaaaagaaaa ctaaacata cattcaagg t gatattggag gtggcaaac aaagacattt	420
gctcctgaag aaatttctgc catggtttctc actaaaatga aagaaaccgc tgaggcttat	480
ttgggaaaga aggttaccca tgcagttgtt actgtaccag cctatttta tgatgccccaa	540
cgcacgc cccaaacgc tggactatt gctggctaa atgttatgag gatcatcaac	600
gagcctacgg cagctgtat tgcttatggc ctggataaga gggaggggga gaagaacatc	660
ctgggtttt acctgggtgg cggAACCTTC gatgtgtctc ttctcacat tgacaatgg	720
gtcttcgaag ttgtggccac taatggagat actatctgg gtggagaaga ctttgaccag	780
cgtgtcatgg aacacttcat caaactgtac aaaaagaaga cggcacaaga tgtcaggaaa	840
gacaatagag ctgtcagaa actccggcgc gaggtagaaa aggccaaacg ggcctgtct	900
tctcagcattc aagcaagaat tgaaaattttag tccttctatg aaggagaaga ctttctgag	960
accctgactc gggccaaatt tgaagagotc aacatggatc tggtccggc tactatgaag	1020
cccgccaga aagtgttggg agattctgtat ttgaagaagt ctgatattga taaaattgtt	1080
cttgggttgt gctgactcg aattccaaag attcagcaac tggttaaaga gttttcaat	1140
ggcaagggaaac catcccggtt cataaaccctt gatgaagctg tagcgtatgg tgctgctgtc	1200
caggctgggt tgctctctgg t gatcaagat acaggtgacc tggtaactgct tgatgtatgt	1260
ccccttacac ttggatttga aactgtggg ggtgtcatga cccaaactgtat tccaggaaac	1320
acagtgggtc ctaccatggaa gtctcagatc ttttctacag cttctgataa tcaaccaact	1380
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tttggatag atgtgaatgg tattcttca gtcacagctg aagacaagg tacagggaaac	1560
aaaaataaga tcacaatcac caatgaccat aatcgctga cacctgaaga aatcgaaagg	1620
atggtaatg atgtggagaa gtttgcgtt gaaagacaaaa agctcaagga ggcgcattgtat	1680
actagaaatg agttggaaag ctatgcctat tctctaaaga atcagatgg agataaagaa	1740
aagctggag gtaaaacttcc tcttcaagat aaggagacca tggaaaagc tgttagaagaa	1800
aagattgaat ggctggaaag ccaccaagat gtcacattt aagacttcaa agctaagaag	1860
aaggaacttgg aagaaattgt tcaaccaatt atcagcaaac tctatggaaag tgcaggccct	1920
cccccaactg gtgaagagga tacagcagaa aaagatgagt tgttag	1965

Homo sapiens S100 calcium binding protein A2, mRNA (cDNA clone MGC:3847
IMAGE:3659591), complete cds.

ctccccctcac	cccggtccag	gatgcccagt	ccccacgaca	cctccccactt	cccactgtgg	60
cotgggtggg	ctcaggggct	gcccttgacc	tggcttagag	ccctccccca	gctgggtggt	120
gagctggcac	tctctgggag	ggagggggct	gggagggaat	gagtggaaat	ggcaagaggc	180
cagggtttgg	tgggatcagg	ttgaggcagg	tttggttcc	ttaaaatgcc	aagtgggggg	240
ccagtggggc	ccacatataa	atcctcaccc	tgggagcctg	gctgccttc	tctccttcct	300
gggtctgtct	ctgccccactg	gtctgccaca	gatccatgat	gtgcagtct	ctggagcagg	360
cgtctggctgt	gctggtaact	accttccaca	agtaactcctg	ccaagaggc	gacaagttca	420
agctgagtaa	ggggaaaatg	aaggaacttc	tgcacaagga	gctgcccagc	tttgtggggg	480
agaaaagtgg	tgaggagggg	ctgaagaagc	tgtggcag	cctggatgag	aacagtgacc	540
agcaggtgg	cttccaggag	tatgctgttt	tcctggact	catcaactgtc	atgtgcaatg	600
acttcttcca	gggctgccc	gaccgaccct	gaagcagaac	tcttgacttc	ctggccatgga	660
tcttttgggc	ccaggactgt	tgatgcctt	gagtttgta	ttcaataaac	ttttttgtc	720
ttgtgaaaaa	aaaaaaaaa	aaaaaaaaa				749

wa01c11.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:2296820 3', mRNA sequence.

acttccttca	ctagttacga	caaaatttaa	gaggaataac	aaatacaaat	tttctgttaa	60
gaacggaaag	gtcacaacta	gcagagtcaa	tactggtaac	cagaaggcac	taatccaaac	120
acataaaattt	caaaagctgg	ttatattatg	gaataccata	tatactggcc	tttgccagtt	180
tgggatttct	gcaatagcaa	taaggcctcg	ttctgtttcc	aattataaca	acaaaaagat	240
gagttactaa	tgaacattcc	acttacagaa	gtctaggcta	tgttgataaa	ttgaaaactt	300
atctagacta	ctctgtctaa	gagcaataaa	aagtaaacac	tcttttatcc	agcagcacta	360
ggaaacaggg	tgaatttacc	aagataaaatt	aggttgggga	tacctactgc	caacttgtgc	420
ggttgcgaa	ttcactgtaa	tatgtattcc	tcttattgtat	agagctctga	atgtaaacaa	480
ccta						484

Human 150 kDa oxygen-regulated protein ORP150 mRNA, complete cds.

ttgtgaaggg	cgcgggtggg	gggcgctgcc	ggcctcg	gtacgtt	cg	gtcgt	60
tcccagagct	ggggccgcag	gagcggagcc	aagaggggca	ctatggcaga	caaagttagg		120
aggcagagggc	cgaggaggcg	agtctgttgg	gccttgg	ctgtgc	tct	ggcagac	180
ttggcactga	gtgatacact	ggcagtgtat	tctgtggacc	tgggc	agtgta	gtccat	240
gtggccat	tgaaacctgg	agtgc	ccatg	aaattgtct	tgaataa	aggat	300
aaaacaccgg	tgatcgtgac	cctgaaa	aaaagat	tctttggaga	cagtgc	agca	360
agcatggcga	ttaagaatcc	aaaggctacg	ctacgtt	act	tccagcac	cctgggaa	420
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cagccccatca	aggatgcagt	gatcaccgtg	ccag	tct	tcaacc	aggc	660
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accggcactg	ccctcagcta	tggtgtctc	cgccc	gaa	atatta	acac	780
aatatcatgt	tctatgacat	gggc	tcagg	gcac	cattt	gtt	840
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gaccgtaccc	tgggggcct	ggagatgg	ctccgg	ctt	gagaac	ggc	960
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atggcacac	ttgaagg	ctt	gatggat	gtgg	actt	ca	1140
gaatttgagg	agttgtgtc	agactt	gtt	gagg	ctgg	gtt	1200
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agcaaagct	ttaaagt	gca	ttt	gtc	ccgag	at	1440
gtggagt	cgagg	gggt	ggg	ttt	gtt	gggg	1500
cgggtact	tctctgg	g	ggg	cc	tcaac	gc	1560
tacagccat	atttcaactt	ccacat	caac	tac	ggc	ttt	1620
gatctt	cggtt	tat	ttgg	cc	agaat	ctt	1680
agcttcaaga	agtat	tct	g	ta	ggc	atct	1740
gagag	tgct	c	act	gtt	atc	ttgt	1800
acgc	g	ttt	ttt	act	tc	ttt	1860
ggcgttacca	cacc	atgc	caagg	gtt	act	gtt	1920
agccctgcag	aggg	gac	ggc	ttt	gtt	gggg	1980
gaggccc	tgg	ggat	ggc	ggg	ggc	gggg	2040
cctgagg	aaa	ggcc	cc	ggg	ggc	gggg	2100
atgtgagaagg	cagg	ggc	ttt	ggc	ggg	gggg	2160
cagaagcc	ccagg	ggc	ttt	ggc	ggg	gggg	2220
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acactcc	ac	tttgc	gg	ttt	ggc	gggg	2340
atattt	tttgc	gg	ttt	ggc	ggg	gggg	2400
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cg	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	2520
gttgg	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	2580
gg	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	2640
aat	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	2700
c	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	2760
cat	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	2820
aa	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	2880
ataagg	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	2940
gag	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	3000
cac	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	3060
ccat	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	3120
tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	3180
tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	3240

agaaggggaa	gggagggaca	gctcactgg	tccttctgca	gtacotctgt	ggttaaaaat	3300
ggaaaactgtt	ctccccc	gccccactcc	ctgttcccta	cccatataagg	ccctaaattt	3360
ggaaaaatc	actattaatt	tctgaatcct	ttgcctgtgg	gtaggaagag	aatggctgcc	3420
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cccttagtgg	ccagaggagg	gaggggcaca	gttgaagaagg	gagccacca	cctctccgaa	3840
gaggaaagcc	actagagtg	gttggcatgg	gggccagca	tcgtcaagc	tctgtcataa	3900
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acccaaatgt	gctttctact	gtgagttccct	atcccaagat	cctggggaaa	ggagagacca	4080
tggtgtgaat	gtagagatgc	caccccttc	tctctgaggc	aggccgttgg	atgaaggagg	4140
agggtcaggg	ctggccttcc	tctgtgcatac	actctgtctag	gttgggggccc	cccgacccac	4200
catacctacg	cctagggago	ccgtccctca	gtattccgtc	tgtacagga	gttagggctg	4260
ctgcctcagc	tccaagacaa	gaatgaacct	ggctgtgtca	gtcattttgt	cttttcctt	4320
ttttttttt	gccacattgg	cagagatggg	acctaagggt	cccacccctc	accccccaccc	4380
caccccttct	gtatgttga	attcttcag	tagctgttga	tgctgggtgg	acaggttta	4440
gtcaaattgt	actttgctcc	attgttaatt	gagaaaactgt	ttcaataaaa	tatttttc	4500
tac						4503

Homo sapiens s-CaBP1 (CABP1) mRNA, complete cds.

aagtccctca	gtcccccagg	agcctccttc	atggaccggg	ggatccaaag	aggggctgcc	60
tcaacttagg	atggccaact	gtgtcaagta	tccactgaga	aatctctcaa	ggaaggatag	120
atcactgcga	ccagaggaaa	ttgaagagct	ccgagaggcc	ttcagagaat	tcgacaagga	180
caaggatggc	tacatcaact	gccgggatct	ggcgaactgc	atgcgcacca	tggctacat	240
gcccaccgag	atggagctca	tcgaactgtc	ccagcagatc	aacatgaacc	tgggtggcca	300
ttagatttt	gatgacttcg	tggagctaatt	ggggcctaaa	ctcctggcag	agacagcaga	360
tatgattgg	gtaaaggaac	tgcgagatgc	tttccgagag	tttgacacca	atggtgtatgg	420
gaaaataagc	accagtgagc	tgcgagaggc	tatgaggaag	ctcctgggtc	atcaggtggg	480
acaccgagac	atagagggaaa	ttatccgaga	tgtgacctc	aatggggatg	gacggagtgga	540
cattgaagag	tttgcggaa	tgtgtcccg	ctgaggccgc	gagggccct	ccaggactgc	600
caagctccca	aaggccccgg	taagaggagc	tagagcttgc	ctcacccct	gtagccgccc	660
agagcccagg	atgtactggc	ggatggggcc	tgcctgcacc	ccggggcgga	attc	714

Homo sapiens cDNA FLJ12397 fis, clone MAMMA1002769, weakly similar to Homo sapiens cell cycle progression restoration 8 protein (CPR8) mRNA.

ataagaggcg tcattggcgc ccgagctgt accgcgcgcc	ctggggcagc cagcacaaatc	60
gggcggaggt ggccgtgccc cttcagacct gaaagatgtc	tgaaaattcc agtgacagtg	120
attcatctt tgggtggact gtcatacgat atgaggggtc	agatatagaa atgttgaatt	180
ctgtgaccgc cactgacagc tgtgagcccg ccccagaatg	ttcatctta gagcaagagg	240
agcttcaagc attgcagata gagcaaggag aaagcagcca	aatggcaca gtgttatgg	300
aagaaaactgc ttatccagct ttggaggaaa ccagctcaac	aattgaggca gaggaacaaa	360
agatacccgta agacagtatc tatattggaa ctgcaggat	tgattctgat attgttaccc	420
tttagccacc taagtttagaa gaaattggaa atcaagaagt	tgtcattgtt gaagaagcac	480
agagttcaga agacttaac atgggctt cctctagcag	ccagtatact ttctgtcagc	540
cagaaaactgt attttcatct cagcctagt acgtatc	aagtatgtat gaaaccagta	600
atcagccca gtcgtccctt agacgacgcc gtgttagaa	gaagaccgtt tctgttccag	660
aatctgaaga cccgctagtt gctgaacaag aaactgaacc	ttctaaggag ttgagtaaac	720
gtcagttcag tagtggcttc aataagtgtt ttatacttgc	tttgggtatt gcaatcagca	780
tgggatttgg ccatttctat ggcacaattc agattcagaa	gctgtcaacag ttagtcagaa	840
agatacatga agatgaattt aatgatatga aggattatct	ttcccagttt caacaggaac	900
aaggatctt tatagattat aagtcatgtt aagaaaatct	tgcaagggtt tggacactta	960
ctgaagcaga gaagatgtcc ttgttactc agaaaaacgaa	ccttgctaca gaaaatcagt	1020
atattaagaaa gctcttcaact gactttgtt atgatgttaa	agattatctt agaaacatga	1080
aggaatatga agtagataat gatggagtat ttgagaagtt	ggatgaatat atatataagac	1140
acttctttgg tcacactttt tccccccat atggaccag	tcgaccctgat aaaaagcaac	1200
gtatggtaaa tattaaaaac tccaggcatc gaaaacaaga	gcagaagcac cttcagccac	1260
agccttataaa aaggaaaggta aatggcata aatatggtcg	cactaatgga agacaatgg	1320
caaatacttga aatagaattt gggcaatttac ctttgtatcc	tcaatactga ttccacaattt	1380
agttaaatata gacaactgtt agagaaaaat ttatgtttt	tataatgttt ggtattgaaa	1440
ctaatgaaat taccaagatg acaatgtt ttctttgtt	tctaagtatc agtttgataa	1500
ctttatatta ttccctcagaa gcattagttt aaagtctact	aacctgcatt ttccctgttgt	1560
tttagcttcgt tgaattttt ttgacactgg aaatgttcaa	ctgttagttt attaaggaag	1620
ccaggcatgc aacagattti gtgcatttt tgagacttcc	tttcagtttta agagcttaaa	1680
gcaagctcag tcatacatga caaagtgtaa ttaacactga	tgtttgtt aaatttgcag	1740
cagagcttga gaaaagtaca ttgttctgaa atttcatcat	taacattttta taatcttaca	1800
ctcaacttctt gtcttttgtt gggttcagga gccctctgac	ttgtgaagaa ttgtctgccc	1860
tcttaagagc ttgctgactt gttttcttgtt gaaattttt	gcacatctga atatcgtgga	1920
agaaaacaata aaactacacc atgat		1945

hn58g08.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:3032126 3', mRNA sequence.

cattgc	tta	cgttagatgt	aaactatgca	tagtatttt	tttgtaacc	catgtgtt	aa	60						
gaaggggac	ac	tgtt	aaagta	acaatcatt	aaaagtaaca	accaaca	aac	tggtat	ttt	aa	120			
tttgg	tattt	taaata	gtt	aaaatcaa	at	gaaac	agtg	tctaa	agt	ca	ctaagata	180		
tcataaca	aa	acc	catta	at	ccaag	ctca	ttt	ataga	att	tca	ccatgag	240		
accta	aaaat	g	tac	cgt	gg	ataaa	acaa	gag	gt	taa	gtt	300		
tttc	cagg	g	ccc	ctaa	attt	tat	ttta	aa	actt	tag	aaat	aaaa	360	
actg	atta	ac	tca	aaat	atct	tgta	agg	tta	ttca	ttcata	at	atgca	420	
ttt	gt	tatt	ca	ct	ttt	ttca	ttc	at	at	at	ttt	ccc	480	
atattt	cact	at	at	ttt	act	gt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	540
agttt	gaa	at	at	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	547
ag	ctt	tg	ca	aa	at	tt	tt	tt	tt	tt	tt	tt	tt	tt

Homo sapiens cDNA FLJ13465 fis, clone PLACE1003493, weakly similar to
ENDOTHELIAL CELL MULTIMERIN PRECURSOR.

aagacaacgt	cactaggagt	ttctggagct	acttgc当地	gctgagtg	agctgagc	cct	60
gccccaccac	caagatgatc	ctgagcttgc	tgttcagc	ctgggctggg			120
ggctgtggg	ggcatggcc	caggcttcca	gtactagc	ctctgatcg	cagagctca		180
ggacacctgg	ggtcttgaag	gcagaggctg	aggacaccag	caaggacccc	gttggacgt		240
actggtgc	ctacccaatg	tccaa	gttgc	aaaacagaga			300
aattcctcat	ccactcgcag	cagccgtgtc	cgccaggagc	tccagactgc	cagaaagtca		360
aagtcatgt	ccgcatggcc	cacaagccag	tgtaccaggt	caagcagaag	gtgtgac		420
cttggc	cttggc	cttggc	cttggc	cttggc	cttggc		480
tgcaatccc	tgagc	tgagc	tgagc	tgagc	tgagc		540
tcagcttca	acctggccac	cttgc	tgatcaatga	ggttgg	caacaggaa		600
agcaggaaca	totgctggg	gatctccaga	atgatgtc	ccgggtggc	gacagc		660
caggc	caggc	caggc	caggc	caggc	caggc		720
ggatcc	ggatcc	ggatcc	ggatcc	ggatcc	ggatcc		780
tcttaca	gtat	gtat	gtat	gtat	gtat		840
ccca	ccca	ccca	ccca	ccca	ccca		900
tccagg	tccagg	tccagg	tccagg	tccagg	tccagg		960
agg	agg	agg	agg	agg	agg		1020
acgccc	cttta	cttta	cttta	cttta	cttta		1080
aattga	gctgc	gctc	gctc	gctc	gctc		1140
caacgc	ggctgg	aggc	aggc	aggc	aggc		1200
tgcag	cctct	ctgc	ctgc	ctgc	ctgc		1260
acacc	ggacat	ggacat	ggacat	ggacat	ggacat		1320
actcc	ggacg	ggacg	ggacg	ggacg	ggacg		1380
tgcagg	ccacac	ctcc	tg	cttgc	tttgc		1440
tcatgg	gaaca	aggag	agggt	ggcag	cttgc		1500
agcac	gggtgg	cc	cc	cc	cc		1560
agctct	at	agac	ctgg	ggag	ccat		1620
aggag	ggtg	ggct	ggct	ggct	ggct		1680
tgcaga	ac	cg	cg	cg	cg		1740
ggcc	ggcc	ggcc	ggcc	ggcc	ggcc		1800
g	g	g	g	g	g		1860
tcgccc	gctgg	ggcg	acgagg	ggctgg	cttccggg		1920
aggagg	ggagg	at	gggg	gggg	gggg		1980
agatcc	ggcc	cc	cc	cc	cc		2040
acgag	ctgg	ccgg	ggcc	ggcc	ggcc		2100
agcac	gccc	ccgg	ggcc	ggcc	ggcc		2160
ggctgg	ggag	ctcc	ggcc	ggcc	ggcc		2220
agccg	gggg	cc	cc	cc	cc		2280
ca	gggg	cc	cc	cc	cc		2340
ggaa	actt	ccat	ggat	ggat	ggat		2400
tgc	tttt	tttt	tttt	tttt	tttt		2460
aga	ggac	tttt	tttt	tttt	tttt		2520
g	ggat	cc	cc	cc	cc		2580
cg	gggg	cc	cc	cc	cc		2640
cg	gggg	cc	cc	cc	cc		2700
ttt	gggg	cc	cc	cc	cc		2760
ttt	gggg	cc	cc	cc	cc		2820
ttt	gggg	cc	cc	cc	cc		2880
ttt	gggg	cc	cc	cc	cc		2940
ttt	gggg	cc	cc	cc	cc		3000
ttt	gggg	cc	cc	cc	cc		3060
ttt	gggg	cc	cc	cc	cc		3120
ttt	gggg	cc	cc	cc	cc		3180

tccaaactctt	caccacaccc	tgtattctac	aacttctttg	3240
ttggaaactt	ctgtacaaca	ctttaaactt	ttctcttgct	3300
tcgtatgata	gaaagacatt	cttccccagg	aggaatgttt	3360
gccaacattt	gaaaggacta	gagggcaatg	ggattaaacc	3420
gtcagtaatg	aagacgcacag	cctggccaac	caagggaaaag	3480
cagtcattcc	ttttaggata	tggtttagct	gtgccccccac	3540
gtaatcccta	taatccccac	atcaagggag	agatcaggtg	3600
gatcttgggg	catgctgttc	ttgtgatagt	tctcacgaga	3660
gatagttcct	cctgtgttca	ttctccttcc	tgcccaccttg	3720
ttcactgtct	gcccattttt	taagtttctt	gaggcctccc	3780
tcaattaaac	ctttttccctt	tataaatt		3828

Homo sapiens heat shock 27kDa protein 1, mRNA (cDNA clone MGC:8509 IMAGE:2822325), complete cds.

ccgcctgcta	aaaataacccg	actggaggag	cataaaagcg	cagccgagcc	cagcgccccg	60
cacttttctg	agcagacgtc	cagagcagag	tcagccagca	tgaccgagcg	ccgcgtcccc	120
ttctcgctcc	tgcggggccc	cagctggac	cccttcgcg	actggtaccc	gcatagccgc	180
ctcttcgacc	aggccttcgg	gctgccccgg	ctgcoggagg	agtggtcgca	gtggttaggc	240
ggcagcagct	ggccaggcta	cgtgcgcccc	ctgccccccg	ccgccatcga	gagccccgca	300
gtggccgcgc	ccgcctacag	ccgcgcgc	agccggcaac	tcagcagcgg	ggtctcgag	360
atccggcaca	ctgcgacccg	ctggcgcgtg	tccctggatg	tcaaccactt	cgccccggac	420
gagctgacgg	tcaagaccaa	ggatggcgtg	gtggagatca	ccggcaagca	cgaggagcgg	480
caggacgagc	atggctacat	ctcccggtgc	ttcacgcgga	aatacacgct	gcccccgggt	540
gtggacccca	cccaagtttc	ctcctccctg	tccctgagg	gcacactgac	cgtggaggcc	600
cccatgcccc	agctagccac	gcagtccaa	gagatcaca	tcccagtcac	cttcgagtcg	660
cgggcccagc	ttggggggccc	agaagctgca	aaatccgatg	agactgcgc	caagtaaagc	720
cttagccccc	atgcccaccc	ctgctgccgc	cactggctgt	gcctcccccg	cacactgtgt	780
tttcttttga	tacatttatac	ttctgtttt	ctcaaataaa	gttcaaagca	ccccccaaaa	840
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa				867

Homo sapiens carcinoembryonic antigen (CGM2) mRNA, complete cds.

ccatgggttc cccttcagcc tgcatacata gagggtgcattccctggcag gggctcctgc	60
tcacagccctc gcttttaacc ttctggaaacc tgccaaacag tgcccagacc aatattgatg	120
tgcgtccgtt caatgtcgca gaagggaagg aggtccttct agtagtccat aatgagtccc	180
agaatcttta tggctacaac tggtaacaag gggaaagggt gcatgccaaac tatcgaatta	240
taggatatgt aaaaaatata agtcaagaaa atgcggcagg gcccccacac aacggtcgag	300
agacaatata ccccaatgga accctgtga tccagaacgt tacccacaat gacgcaggat	360
tctataccct acacgttata aaagaaaaatc ttgtaatga agaagtaacc agacaattct	420
acgtattctc ggagccaccc aagccctcca tcaccagcaa caacttcaat ccggtgagaa	480
acaaaagatat tgggtttta acctgtcaac ctgagactca gaacacaacc tacctgtgg	540
ggtaaaacaa tcagagccctc ctggtcagtc ccaggctgct gctctccact gacaacagga	600
ccctcggtct actcagcgcc acaaagaatg acataggacc ctatgaatgt gaaatacaga	660
acccagtggg tgccagccgc agtgaccagg tcaccctgaa tgtccgctat gagtcagtac	720
aagcaagttc acctgaccc tcagctggga ccgctgtcag catcatgatt ggagtactgg	780
ctggatggc tctgatatac cagcatttgt g	811

Homo sapiens keratin 7, mRNA (cDNA clone MGC:3625 IMAGE:3610347), complete cds.

ctccttcctcg	cccgccgcta	ggtccatccc	ggcccagcca	ccatgtccat	ccacttcagc	60
tccccggtat	tcacctcgcg	ctcagccgcc	ttctcgggcc	gccccgccca	ggtgccctg	120
agctccgctc	gccccggcgg	ccttggcagc	agcagcctct	acggcctogg	cgcctcgccg	180
ccgcgcgtgg	ccgtgcgtc	tgcctatggg	ggcccggtgg	gccccggcat	ccgcgaggtc	240
accattaacc	agagcctgtc	ggccccgctg	cggctggacg	ccgacccctc	cctccagcgg	300
gtgcgccagg	aggagagcga	gcagatcaag	accctcaaca	acaagtttc	ctccttcata	360
gacaagggtgc	ggtttctgga	gcagcagaaac	aagctgctgg	agaccaagtg	gacgctgctg	420
caggagcaga	agtcggccaa	gagcagccgc	ctcccagaca	tctttgaggc	ccagattgct	480
ggcccttcggg	gtcagcttga	ggcactgcag	gtggatgggg	gccgcctgga	ggcggagctg	540
cggagcatgc	aggatgttgt	ggaggacttc	aagaataagt	acgaagatga	aatttaaccgc	600
cgcacagctg	ctgagaatga	gtttgtggg	ctgaagaagg	atgtggatgc	tgccatcacatg	660
agcaagggtgg	agctggaggc	caaggtggat	gccctgaatg	atgagatcaa	cttcctcagg	720
accctcaatg	agacggagtt	gacagagctg	cagtcggaga	tctccgacac	atctgtggtg	780
ctgtccatgg	acaacagtcg	ctccctggac	ctggacggca	tcatcgctga	ggtaaaggca	840
cagtatgagg	agatggccaa	atgcagccgg	gctgaggctg	aaggctggta	ccagaccaag	900
ttttagagacc	tccaggccca	ggctgggaag	catggggacg	accccgaa	tacccggaaat	960
gagatttcag	agatgaaccg	ggccatccag	aggctgcagg	ctgagatcga	caacatcaag	1020
aaccagcgtg	ccaagttgga	ggccgccatt	gccgaggctg	aggagcgtgg	ggagctggcg	1080
ctcaaggatg	ctcgtccaa	gcaggaggag	ctggaagccg	ccctgcagcg	ggccaagcag	1140
gatatggcac	ggcagctgcg	tgagtaccag	gaactcatga	gctgtaaagct	ggccctggac	1200
atcgagatcg	ccaccttaccg	caagctgctg	gagggcgagg	agagccggtt	ggctggagat	1260
ggagtggggag	ccgtgaatat	ctctgtgatg	aattccactg	gtggcagtag	cagtggcggt	1320
ggcattgggc	tgaccctcgg	ggaaaccatg	ggcagcaatg	ccctgagctt	ctccagcagt	1380
gccccgtctg	ggctcctgaa	ggcttattcc	atccggaccg	catccgcac	tcgcaggagt	1440
gccccgcact	gagccgcctc	ccaccactcc	actccctccag	ccaccaccca	caatcacaag	1500
aagattccca	ccccctgcctc	ccatgcctgg	tcccaagaca	gtgagacagt	ctggaaagtg	1560
atgtcagaat	agtttccaaat	aaagcagcct	cattctgagg	cctgagtgat	ccacgtaaaa	1620
aaaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1668

Homo sapiens hxCT mRNA for cystine/glutamate exchanger, complete cds.

cctgtgaaca	ctatagcgct	gagagagaca	gtctgaaagc	agaggaagac	atcgatcagt	60
aacaccaaga	gacaccaaag	ttgaaaagtt	tgttttctt	ccctctgttt	tattttccc	120
ccgtgtgtcc	ctactatgg	cagaaaaggct	gttgtgtcca	ccatctccaa	aggaggttac	180
ctgcagggaa	atgttaaacgg	gaggctgcct	tccctggca	acaaggagcc	acctgggcag	240
gagaaaagtgc	agctgaagag	gaaagtcact	ttactgaggg	gagtctcoat	tatcaattggc	300
acccatcattg	gagcaggaat	cttcatctct	cctaaggcg	tgctccagaa	cacgggcagc	360
gtgggcatgt	ctctgaccat	ctggacgggt	tgtgggtcc	tgtcactatt	tggagctttg	420
tcttatgtct	aattgggaac	aactataaaag	aaatctggag	gtcattacac	atataattttg	480
gaagtctttg	gtccattacc	agcttttgta	cgagtctggg	tggactct	cataatacgc	540
cctgcagct	ctgctgtat	atccctggca	tttggacgct	acattctgga	accattttt	600
attcaatgtg	aaatccctga	acttgcgatc	aagctcatta	cagctgtggg	cataactgt	660
gtgatggtcc	taaatagcat	gagtgtcagc	tggagcgccc	ggatccagat	tttcttaacc	720
tttgcaagc	tcacagcaat	tctgataatt	atagtccctg	gagttatgca	gctaattaaa	780
ggtcaaacgc	agaactttaa	agacgcctt	tcaggaagag	attcaagtat	tacgcgggt	840
ccactggctt	tttattatgg	aatgtatgca:	tatgctggct	ggttttacct	caactttgtt	900
actgaagaag	tagaaaaacc	tgaaaaaacc	attcccttgc	caatatgtat	atccatggcc	960
attgtcacca	ttggctatgt	gctgacaaat	gtggctact	ttacgaccat	taatgtctgag	1020
gagctgctgc	tttcaaattgc	agtggcagtg	acctttctg	agcggctact	gggaaattc	1080
tcatttagcag	ttccgatctt	tgttgccctc	tcctgctttg	gctccatgaa	cggtgggt	1140
tttgctgtct	ccaggttatt	ctatgttgcg	tctcgagagg	gtcaccttcc	agaaaatcc	1200
tccatgattc	atgtccgcaa	gcacactcct	ctaccagctg	ttattgtttt	gcacccttt	1260
acaatgataa	tgctcttctc	tggagacctc	gacagtctt	tgaatttcct	cagttttgcc	1320
agtgggctt	ttattgggct	ggcagttgct	gggctgattt	atcttcgata	caaatgccc	1380
gatatgcata	gtcctttcaa	gggccactg	ttcatccag	ctttgtttc	cttcacatgc	1440
ctcttcatgg	ttgcccttcc	cctctattcg	gaccattta	gtacaggat	tggcttcgtc	1500
atcaactctga	ctggagttccc	tgcgtattat	ctctttatta	tatggacaa	gaaacccagg	1560
tgttttagaa	taatgtcagg	gttccttagca	ctgatgcctg	cacaagcatg	tgatatgt	1620
aataaaatgg	attcttctat	agctaaatg	gttcctctg	gggagagttc	tggtactgca	1680
atcacaatgc	cagatgggt	ttatgggcta	tttgtgtaa	taagtggtaa	gatgtatga	1740
agtaagtgtg	tttgtttca	tcttatggaa	actcttgatg	catgtgctt	tgtatggaa	1800
aaattttgg	gcaatatgat	gtcattcaac	tttgcattga	attgaattt	ggttgttattt	1860
atatgtat	tacctgtcac	gttcttagtt	gcttcacca	ttttataacc	atttttgtac	1920
atattttact	tggaaatatt	ttaaatggaa	attnaaataa	acatttgata	gtttacataaa	1980
	aaaaaaaaaa	aaaaaaaaaa				2000

Homo sapiens eukaryotic translation elongation factor 1 alpha 2, mRNA (cDNA clone MGC:8362 IMAGE:2819899), complete cds.

cactgcagcc	cccctcgccc	tgagccagag	caccccggtt	cccgccagcc	cctcacactc	60
ccagcaaaaat	gggcaaggag	aagacccaca	tcaacatcgt	ggtcatcgcc	cacgtggact	120
ccggaaagtcc	caccaccacg	ggccacaccta	tctacaaaatg	cggaggattt	gacaaaagga	180
ccattgagaa	gttcgagaag	gaggcggctg	agatgggaa	gggatccttc	aagtatgcct	240
gggtgctgga	caagctgaag	gcggagcgtg	agcgcggcat	caccatcgac	atctccctct	300
ggaagttcgaa	gaccaccaag	tactacatca	ccatcatcgta	tgccccggc	caccgcact	360
tcatcaagaa	catgatcactg	ggtacatccc	aggcggactg	cgcagtgcgt	atctggcg	420
cgggcgtggg	cgagttcgag	gcgggcatact	ccaagaatgg	gcagacgcgg	gagcatgcc	480
tgtctggctta	cacgctgggt	gtgaagcagc	tcatcgtggg	cgtgaacaaa	atggactcca	540
cagagccggc	ctacagcggag	aagcgctacg	acgagatcgt	caaggaagtc	agccctaca	600
tcaagaagat	cggctacaac	ccggccaccc	tgccctttgt	gcccatctcc	ggctggcact	660
gtgacaacat	gctggagccc	tcccccacca	tgccgtggtt	caagggtctgg	aagggtggagc	720
gtaaggaggg	caacgcaagc	ggcgtgtccc	tgctggaggc	cctggacacc	atccctggccc	780
ccacgcgccc	cacggacaag	ccctcgcc	tgccgctgca	ggacgtgtac	aagattggcg	840
gcattggcac	ggtgcggcgt	gcgcgggtgg	agacggcat	cctgcggccg	ggcatggtgg	900
tgacctttgc	gccagtgaac	atcaccactg	aggtgaagtc	agtggagatg	caccacgagg	960
ctctgagcga	agctctgccc	ggcgacaaacg	tcggcttcaa	tgtgaagaac	gtgtcggtga	1020
aggacatccg	ggggggcaac	gtgtgtgggg	acagaagtc	tgacccggcg	caggaggctg	1080
ctcagttcac	ctcccaaggc	atcatcctga	accacccggg	gcagattagc	gcggctact	1140
ccccggtcat	cgactgcccac	acagccccaca	tcgcctgaa	gtttcgagg	ctgaaggaga	1200
agattgacccg	gchgctctggc	aagaagctgg	aggacaaccc	caagtccctg	aagtctggag	1260
acgcggccat	cgtggagatg	gtgcggggaa	agcccatgtg	tgtggagac	ttctccctgt	1320
acccgcctct	cggccgcttc	gccgtgcgcg	acatgaggca	gacggtgccc	gtaggcgtca	1380
toaagaacgt	ggagaagaag	agcggcggcg	ccggcaaggt	caccaagtgc	gcgcagaagg	1440
cgcagaaggc	gggcaagtga	agcgcggggcg	cccgccggcgc	gaccctcccc	ggccggcccg	1500
cgctccgaac	cccgccccgg	cccccccccc	gccccccccc	cgcgcgcgc	tccggcgccc	1560
cgcacccccc	ccaggcgcata	gtctgcaccc	ccgcttgcac	gaggccctcg	gtcagcact	1620
ggatgctcgc	catcaaggc	cagtggaaat	tcttcaagag	gaaaggcgcc	cccgccccag	1680
gttccgcgc	ccagcgctcg	ccacgctcag	tgcccgcccc	accaataaac	tgagcgaccc	1740
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	a		1781

Homo sapiens cDNA clone:HEMBA1000726, 3' end, expressed in whole embryo mainly head.

gagacggagt ctcgctcttg tcacccagggt tggagtgca	60
gcaacctcca cctcctgtgt ttaaacgatt ctccctgc	120
ttacaggccc tgccaccacc cccccgc	180
cggggttca ccatgttggc tagtctggc ttgaactc	240
cccgccctcag actccaaag tgtcaggatt acaggcgtt	300
cccaatccat acaagatgtt aattccaaat aatctgagag	360
taattcttct aaatgaatat tcatccttat ttccactt	420
tccaatagta taatagaaaag actattagta agaatgcc	480
ggtgaaataa accaaccAAC caacctgaan tctaaagc	540
ggaaagtgt	576

Homo sapiens MDG1 mRNA, complete cds.

tagctggctg agaggggact	gggcgccggc	ggggaggag gagcgctagg	tcgggttacg	60
accgagatta gggtgcgtgc	cagctccggg aggccgcgg	gaggggcgg gcccaagctg		120
ccgaccccgag ccgatcgta	gggtcgccag cgcctcagct	ctgtggagga gcagcagt		180
tcggagggtg caggatatta	aaaatggcta ctccccagtc	aattttcatc tttgcaatct		240
gcattttaat gataacagaa	ttaattctgg cctaaaaag	ctactatgt atcttagtg		300
tgccaaaatc ggcatcagag	cgc当地atca agaaggcctt	tcacaagttt gccatgaagt		360
accaccctga caaaaataag	agcccggatc ctgaagcaa	attcagagag attgcagaag		420
catatgaaac actctcagat	gctaataagac gaaaagagta	tgatacacact ggacacagt		480
cttttactag tggtaaagga	caaagaggtt gtggaaat	ttttgagcag tcatttaact		540
tcaattttga tgacttattt	aaagactttt gctttttgg	tcaaaaaccaa aacactggat		600
ccaaagaagcg ttttggaaaat	catttccaga caccccagga	tggtggttcc agtagacaaa		660
ggcatcattt ccaagaattt	tcttttggag gtggattatt	tgatgacatg tttgaagata		720
tggagaaaaat gttttttttt	agtggttttt actctacaa	tcagcataca gtacagact		780
aaaatagatt tcatggatct	agcaagcact gcaggactgt	cactcaacga agaggaaata		840
tgttactac atacactgac	tgttcaggac agtagttctt	attctattct cactaaatcc		900
aactggttga ctcttcctca	ttatcttga tgctaaacaa	ttttctgtga actatttga		960
caagtgcattt atttcaattt	:aaacaattt atatagctat	taaatatatt taagggtttt		1020
tttttttttgc acaaatttca	cattcaacga gtagacaaa	tgctaaattat ttccctgatt		1080
agaaaagttt ctttaaaaaa	cacgttaattt tgcctagtgc	tttttctcta cctggcccttg		1140
ggctcaactaa tatcaccagt	atttattacca agaaaatatt	gagtttacct gattaaactt		1200
taaaagttaa ttgttagattt	aaattgtgtt aacctaattt	ttttgcagt gaaacaccca		1260
cttattcaaa gttgcatttt	ctatgacatc tgcacttgc	tttgcagagt gtacatgaaa		1320
ctgtataattt gatgtcattt	gttttgcattt acatattttt	tttgcatttgc tactgaaagg		1380
tttggaaaagg aatggtttga	tatttaccac agcgtgtgc	ttttctacag tagaactggg		1440
gttttggaaaat tggtttattt	gttttgcattt atttaggctt	ttttgcattt gaaaaaagtt gaaaacttta		1500
cgaaatattt ccaagagatt	tttatgtttt tggttccaggc	tttttgcattt gaaaaaagtt gaaaacttta		1560
tttggaaaatcat agtacttac	atagctttt catattttt	tttttgcattt tggactcttt		1620
aggcttttagt atggatttt	tttttgcattt tttttttttt	tttttgcattt tggactcttt		1680
tcttagagatt gactgatacc	tttttgcattt tttttttttt	tttttgcattt tggactcttt		1740
cttactatgt gcaatatttt	tttttgcattt tttttttttt	tttttgcattt tggactcttt		1800
tatttttttta gttctgcact	tttttgcattt tttttttttt	tttttgcattt tggactcttt		1860
acatattttaa acaagtgtct	tttttgcattt tttttttttt	tttttgcattt tggactcttt		1920
cctgaaaaaaaaaa				1929

Homo sapiens prostate stem cell antigen (PSCA) mRNA, complete cds.

agggagaggc	agtgaccatg	aaggctgtgc	tgcttgcctt	gttcatggca	ggcttggccc	60
tgcaggcagg	caactgcctg	ctgtgtact	cctgc当地	ccagggtgagc	aacgaggact	120
gcctgcagg	ggagaactgc	acccagctgg	gggagcagt	ctggaccgcg	cgc当地	180
cagttggcct	cctgaccgtc	atcagcaaag	gctgoagctt	gaactgcgtg	gatgactcac	240
aggactacta	cgtgggcaag	aagaacatca	cgtgtgtga	caccgacttg	tgcaacgcca	300
gcggggccca	tgc当地	cggcgtgc当地	ccatc当地	gctgctccct	gcactcgccc	360
tgc当地	gggaccggc	cagctataagg	ctctgggggg	ccccgctgca	gcccacactg	420
gttgtggc	cccaggcctt	tgtgccactc	ctcacagaac	ctggcccagt	gggagcctgt	480
cctgggttc	gaggcacatc	ctaaccgcaag	tttgaccatg	tatgtttgca	ccccttttcc	540
ccnaaccctg	accttccat	gggc当地	caggattccn	accnggc当地	tcagttttag	600
tganacanat	ccgc当地	atggcccttc	caaccontt	tgttgnnttt	tccatggccc	660
agcattttcc	acccttaacc	ctgtgttcag	gcacttnttc	ccccaggaag	ccttccctgc	720
ccacccatt	tatgaattga	gccaggttt	gtccgtgg	tccccc当地	ccagcagggg	780
acaggcaatc	aggaggccc	agtaaaggct	gagatgaagt	ggactgagta	gaactggagg	840
acaagagttg	acgtgagttc	ctgggagttt	ccagagatgg	ggcctggagg	cctggaggaa	900
ggggccaggc	ctcacat	tgggntccc	aatggcagc	ctgagcacag	cgtaggccct	960
taataaacac	ctgttgata	agccaaaaaa				990

Human arginine-rich protein (ARP) gene, complete cds.

cttcggtcct	gctgttagtgc	cttctgcgcc	aggcccggtt	caatcagcgg	ccacaactgt	60
ctagggctca	gacaccacca	gccaatgagg	gagggcacgt	ggagccgcgt	ctgggctcgc	120
ggctcctgac	aatggggaa	gtggcatgtg	ggagggcgcc	ggggttcccc	ccgccaatgg	180
ggagctacgg	cgcgcggccg	ggacttggag	gccccgcgc	gccccgggtg	cgggtcagtc	240
ggtcggccggc	ggcagcggag	gaggaggagg	aggaggagga	tgaggagat	gaggaggatg	300
tgggccacgc	aggggctggc	ggtgcgcgtg	gctctgagcg	tgctgccgg	cagccggcg	360
ctgcggccgg	gcgactgcga	agtttgtatt	tcttatctgg	gaagattta	ccaggacctc	420
aaagacagag	atgtcacatt	ctcaccagcc	actattgaaa	acgaacttat	aaagttctgc	480
cgggaagcaa	gagggaaaaga	gaatcggtg	tgctactata	tcggggccac	agatgatgca	540
gccaccaaaa	tcataaatga	ggtatcaaag	cctctggccc	accacatccc	tgtggagaag	600
atctgtgaga	agcttaagaa	gaaggacagc	cagatatgtg	agcttaagta	tgacaagcag	660
atcgacctga	gcacagtgg	cctgaagaag	ctccgagtt	aagagctgaa	gaagattctg	720
gatgactggg	gggagacatg	caaaggctgt	gcagaaaaagt	ctgactacat	ccggaagata	780
aatgaactga	tgcctaaata	tgcccccag	gcagccagtg	caccgaccga	tttgtactct	840
gctcaatctc	tgttgccacct	gagggggaaa	aaacagttca	actgcttact	cccaaaacag	900
cctttttgt	atttattttt	taagtggct	cctgacaata	ctgtatcaga	tgtgaaggct	960
ggagctttcc	tgatgatgct	ggccctacag	taccccccatt	aggggattcc	cttccttctg	1020
ttgctggtgt	actctaggac	ttcaaagtgt	gtctggatt	tttttattaa	agaaaaaaaaaa	1080
tttctagctg	tcaaaaaaaaaaa	aaa				1103

Homo sapiens interleukin 11 receptor, alpha, transcript variant 1, mRNA
(cDNA clone MGC:2146 IMAGE:3502059), complete cds.

gggggctgt	a	gtggtgaga	gaaagtcc	ta	gaggctatgg	acactctgt	ct	gtggatca	60
ccgagatgag	c	cagcagctgc	tca	ggggctga	gcagggct	ct	gtggccgt	gctacagccc	120
tggtgtctgc	c	tc	cccccc	tgccccca	cttggggccc	cccagggtc	c	agatgggc	180
agccaggcag	g	gtccgt	gaag	ctgtgttgc	ctggagt	tgccggggac	cc	agtgctct	240
ggttccgg	g	tg	gggagcca	aagctgtcc	aggac	ctctgggta	gg	gcataac	300
tggctctggc	cc	aggcagac	agca	ctgtat	aggcac	catctgc	ac	ccctggat	360
gtgcacttgg	gg	ggc	cacagt	accctgc	ttggctac	cc	agcccgc	cctgtgt	420
cctgcca	cc	g	ccgactat	gagaactt	tttgact	g	agtccc	cg	480
gtttacccac	cc	cg	ctac	tc	g	gaa	agac	at	540
agaggaggag	tcc	atccaca	gggc	ctgg	cat	cccaca	gg	atccc	600
gctgtgtt	cc	ac	gggg	ctgt	gg	ca	gtt	ggat	660
acccactgg	tg	cc	agcaca	cg	cc	tg	at	gtgact	720
acccacccca	gg	gc	ctg	cg	g	ta	cc	gat	780
gctggacata	cc	ct	gc	ct	tg	cc	ag	ct	840
agtaccgtcc	gg	cg	cac	ca	cc	ac	gg	gg	900
tgatcacaga	tg	ct	gt	gg	tt	gg	at	gt	960
tagatgt	ca	cac	ct	gg	ac	tt	gt	at	1020
coataccaa	aa	gg	agata	cc	g	at	gg	gg	1080
aggtggacag	cc	ct	gt	cc	ca	gg	ac	cc	1140
acagggactc	tgt	gg	ac	gt	tc	tt	gg	at	1200
gactgg	tg	gg	gg	tc	t	tt	gg	at	1260
atggat	cc	cc	aa	ag	ct	tt	gg	ac	1320
ctccaaac	ct	gt	gg	ac	cc	tt	gg	at	1380
ctgg	tg	gg	gg	at	cc	tt	gg	at	1440
ttctgtt	gg	gg	gg	at	tt	tt	gg	at	1500
tgtac	cc	ct	cc	at	tt	cc	gg	at	1560
atctgt	gt	cc	at	gt	tc	tt	gg	at	1620
tgtatgt	gg	gg	gg	at	tt	gg	at	tt	1680
gggtt	gt	gt	gt	at	tt	gg	at	tt	1740
aaaaaaa	aa	aa	aa	aa	aa	aa	aa	aa	1783

Homo sapiens mRNA; cDNA DKFZp564O2071 (from clone DKFZp564O2071); complete cds

ggggcagca	gg	ccaa	agggg	gagg	tg	cg	ag	cgtggac	ct	gg	gg	gt	ct	60	
cgtgg	tt	gg	tt	cc	g	ac	cc	tt	tc	tt	gg	cc	tt	gg	120
tctcg	tc	gt	ac	cc	tt	ct	cc	gg	tc	tc	gg	tt	tc	cc	180
gc	cc	ct	gg	gt	tc	tc	cc	tt	tc	tc	gg	tt	tc	cc	240
tc	tc	tc	cc	tt	tc	tc	cc	tt	tc	tc	gg	tt	tc	cc	300
tc	tc	tc	cc	tt	tc	tc	cc	tt	tc	tc	gg	tt	tc	cc	360
tg	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	420
tg	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	480
gc	ca	ac	ct	gt	tc	tc	cc	gg	gg	gg	gg	gg	gg	gg	540
c	ct	cg	cc	tt	tc	tc	cc	gg	gg	gg	gg	gg	gg	gg	600
tc	tc	tc	cc	tt	tc	tc	cc	gg	gg	gg	gg	gg	gg	gg	660
tc	tc	tc	cc	tt	tc	tc	cc	gg	gg	gg	gg	gg	gg	gg	720
tc	tc	tc	cc	tt	tc	tc	cc	gg	gg	gg	gg	gg	gg	gg	780
tc	tc	tc	cc	tt	tc	tc	cc	gg	gg	gg	gg	gg	gg	gg	840
tt	cc	cc	tt	cc	tt	cc	tt	gg	gg	gg	gg	gg	gg	gg	900
tt	cc	cc	tt	cc	tt	cc	tt	gg	gg	gg	gg	gg	gg	gg	960
gg	ag	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	1020
gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	gg	1080
ct	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	1140

acaaggcttc cagctggatg tgtgtgttagc atgtaccta ttatTTTGT tactgacagt	1200
taacagtggt gtgacatcca gagagcagct gggctgctcc cgccccagcc tggcccaggg	1260
tgaaggaaga ggcacgtgtc cctcagagca gccggaggga aggggggaggt cggaggtcg	1320
ggaggtgggt tgtgtatctt actgggtctga agggaccaag tgtgtttgtt gttgttttg	1380
tatcttggttt ttctgatcgg agcatacta ctgacactgtt gttaggcagct atcttacaga	1440
cgcatgaatg taagagtagg aaggggtggg tgtcagggat cacttggat ctttgacact	1500
tgaaaaattt cacctggcag ctgcgtttaa gcctcccccc atcgtgtact gcagagttga	1560
gttggcaggg gaggggctga gaggggtgggg gctgaaaccc cttcccgaaa ggagtgcac	1620
ctgggtcttc catctagaac tgtttacatg aagataagat actcactgtt catgaataca	1680
cttgatgttc aagtattaag acctatgcaa tatttttac ttttctaata aacatgtttg	1740
ttaaaaacaaa aaaaaaaaaa aaaaaaaaaa	

Homo sapiens collagen alpha 3 type IX (COL9A3) mRNA, complete cds.

atggccgggc	cgcgcgcgtg	cgcgcggcgtc	ctgttcctgc	tccttcctcg	gcagtttctg	60
ggggccgccc	gggcgcagag	agtgggactc	cccgcccccc	ccggcccccc	aggggccct	120
gggaagcccg	gccaggacgg	cattgacgga	gaagctggc	ctccaggtct	gcctggtccc	180
ccgggaccaa	agggggcccc	aggaaagcgg	gggaaaccag	gagaggctgg	gctccgggaa	240
ctgccccgggt	tggatggct	gactggacga	gatggacccc	ctggacccaa	gggtgccccct	300
ggggAACGGG	gaagtctggg	aeccccgggg	ccgcggggc	tggggggcaa	aggccctccct	360
ggaccccccgg	gagaggcagg	agttagggc	cccccaagggt	ggatcgccct	ccgcggggcc	420
ccgggacctc	ctggactccc	cggccctccct	ggtcggccag	gacctccgg	accggccctgg	480
cacccaggag	tcctccctga	aggcgctact	gacccctcagt	gccaagttat	ctggccggca	540
ggtccccccag	ggcccccctgg	aatgccagg	ttcaaggac	ccactggcta	caaaggcggag	600
cagggggaaag	tcggcaagga	cggcgagaag	ggtgaccctg	ccccccctgg	ccgcggccgg	660
ctccccggca	gcgtggggct	gcaggggcccc	cggggattac	gaggactggc	aggccactc	720
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cctggggaaag	cgggtgaccg	aggcgagagg	ggcccaagaag	ggttccgcgg	ccccaaagggt	840
gacccctggca	gacctggtcc	caagggaacc	cccgaggtgg	ccggggcaag	cggagagccg	900
ggcatggccag	gcaaggacgg	ccagaatggc	gtgcaggac	tcgatggca	gaaggggagag	960
gctggtcgca	acgggtgtcc	gggagaaag	ggcccaaacg	ggctggccgg	cctccctgg	1020
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cagggtattt	cagggtccga	cggttctct	ggggataaaag	gagaacttggg	tccagcgcc	1380
ctggtcggac	ccaaaggaga	gtctggca	cgaggggagc	tggggcccaa	aggcacccag	1440
ggtcccaacg	gcaccagcgg	tgttcaggg	gtcccccggc	cccccggtcc	tctggcctg	1500
cagggttgtcc	cgggtgttcc	ttggcatca	gggaagccgg	gagttccggg	gaaggaggcc	1560
agcgagcagg	gcatcaggga	gtgtgtggg	gggatgtca	gcgaacaaat	tgcacagtta	1620
gccgcgcacc	taaggaagcc	tttggcaccc	gggtccattt	gtccggccgg	tccagctgg	1680
ccccctgggc	ccccaggacc	cccaggctcc	attggtcacc	ctggcgctcg	aggacccccc	1740
ggataccgcg	gtcccactgg	ggagctggg	gaccggggc	ccagagaaaa	ccagggtgac	1800
agaggagaca	aaggcgggc	aggagcagg	ctggacgggc	ctgaaggaga	ccagggggcc	1860
caaggacccc	aaggcgtgcc	ccgcaccagc	aaggacggcc	aggacggtc	tccggcgg	1920
cotgggcctc	ccggagatcc	ttggcttcca	ggtgcattt	ggggccca	gacaccgggg	1980
atctgcgaca	cctcagccgt	ccaaggagcc	gtgttagg	gggtcgggg	gaaatcaggc	2040
totcgaagct	cataaaaattc	aacgtgagga	agcaagtgc	aaggacgccc	gaagcacagt	2100
ggacgggtcat	gaaggagcgg	gggtgtggc	ggcggtgac	gtccaggaga	gggagcgccc	2160
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ttagagaagg	taggtgtgt	atatataaaa	ggttgtgtac	aactccacga	ggtaaaaat	2340
attcagtaac	ttgtttgc	atgcatttgc	taaagactat	gatctcatcc	caataaaatg	2400
atatattaaa	tcttcagatt	aatgactggc	tacagagtaa	aaaaaaataa	acaatttaat	2460
gtacagtaaa	ttctctccca					2480

Homo sapiens cDNA FLJ20113 fis, clone COL05437.

aattggcaac	ccggaagcgg	tcggtagtgc	ggcgctgttt	aaagatggcg	gcccggagaac	60
ctcaggcagca	gaagcaggag	ccgctgggca	gcgactccga	aggtgttaac	tgtctggcct	120
atgatgaagg	catcatggct	cagcaggacc	gaattcagca	agagattgt	gtcagaacc	180
ctctgggtgc	agagcggctg	gagctctcg	tcctatacaa	ggagtatgt	gaagatgaca	240
acatctatca	acagaagatc	aaggacccc	acaaaaaagta	ctcgatcac	cgcaagacca	300
ggcctgacgg	caactgttgc	tatcgggctt	tcggattctc	ccacttgag	gcactgtgg	360
atgacagcaa	ggagttgcag	cggttcaagg	ctgtgtctgc	caagagcaag	gaagacctgg	420
tgtcccagg	cttcactgaa	ttcacaaatg	aggatttcca	caacacgttc	atgacactga	480
ttgagcagg	ggagagggcag	acctctgtcg	ccgacctgt	ggcctccccc	aatgaccaga	540
gcacccctcg	ctaccttgc	gtctacctgc	ggctgtcac	ctcgggctac	ctgcagcgcg	600
agagcaagtt	tttcgagcac	ttcatcgagg	gtggacggac	tgtcaaggag	ttctgccagc	660
aggagggtgg	gccccatgtgc	aaggagagcg	accacatcca	catcattgcg	ctggcccagg	720
ccctcagcgt	gtccatccag	gtggagtaca	tggaccggg	cgagggccgg	accaccaatc	780
cgcacatctt	ccctgagggc	tccgagccca	aggcttacct	tctctacccg	cctggacact	840
acgatatacct	ctacaaatag	ggctggctcc	agcccgctgc	tgcctctgt	ccccccctcg	900
ccaggcgcta	gacatgtaca	gaggttttc	tgtggttgc	aatggtccta	tttcacccccc	960
ttcttcctgt	cacatgaccc	ccccccatgt	tttattaaag	gggggtgtgg	tggtagccg	1020
tgtgtcggt	tccctgtct	gctggccggc	tggctgtct	gtctgtgtcc	ccctcccccc	1080
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gagctccttg	ggggcaggcc	ctcaataaat	gtgaactgt	gctggccgca	aaaaaaaaaaa	1740
aaaaaaaa						1747

01763146F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:4026010 5', mRNA sequence.

aattgatatt ttttgctgct tcctcgcccc aggagaaaagc atgtcaggac agagctgtt	60
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gttgtgcagt ttcatagatg ggtcaggagg tggacaagtg gggccagaga tgatggcagt	180
ccagcagcaa ctcccgtgc tcccttotct ttggcagag attctatttt tgacatttgc	240
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aaccaggaaa tttagacagg gatctttac ctttgaaaa taggggttag gcatgaaggt	480
ggttgtgatt aagaagatgg tttgttatta aatagcatta aactgaaatt ga	532

Human plasma serine protease (protein C) inhibitor mRNA, complete cds.

aattccggca	gagctccgtt	tcctcataga	acaaagaaca	tccaccatgc	agctttcct	60
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aagggactt	accttgacc	tctacagggc	cttggcttcc	gctgccccca	gccagaacat	240
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aacgctgagg	aagtggctt	agatgttcaa	aaagaggcag	ctcgagctt	accttcccaa	960
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tttttg						2106

Homo sapiens DKFZP586A0522 protein, mRNA (cDNA clone MGC:5320
IMAGE:2900478), complete cds.

ttagcaatgg	agcttaccat	ctttatccgt	agactggcca	tttacatcct	gacatttccc	60
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cagcctggcc	aacatggcaa	accctacta	aagataaaaa	aaaaaaaaaa	aa	2152

Homo sapiens calcium binding protein 1 (calbrain), mRNA (cDNA clone)

ggtaggtgcc	tgttagaccaa	gctgctcagg	aggctgaggc	aggagaatca	cttgaatccg	60
ggagtcagag	gttgcagtga	gccaagatca	cgcactgca	ctccagcctg	ggcgacagag	120
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aaaaaaaaaa						1868

Homo sapiens TNNT1 gene, exons 1-11 (and joined CDS)

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ggctccccca	aaggcacaca	gcagggtggg	gaccagatgg	gtctccatg	tgaagcac	120
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Homo sapiens negative growth-regulatory protein MyD118 (MYD118) mRNA,
complete cds.

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tgc当地atcca	cttcacgctc	atccagtcct	tctgtgtgt	caacgacatc	aacatcgtgc	300
gggtgtcgaa	caatgcgcgc	ctggcgcagc	tcctggaga	gccggccgag	acccaggcga	360
ccaccgaggc	ccgagacctc	cactgtctc	ccttctata	gaaccctcac	acggacgcct	420
ggaagagcca	cggttggtg	gaggtggcca	gctactgcga	agaaaagccgg	ggcaacaacc	480
agtgggtccc	ctacatctct	cttcaggaac	gctgaggccc	ttcccagcag	cagaatctgt	540
tgagttgtg	ccaacaaaaca	aaaaatacaa	taaatatgg	aacccctcc	cccccagcac	600
aaccccccac	aaacaaccca	acccacgagg	accatgggg	gcaggtcggt	ggagactgaa	660
gagaaagaga	gagaggagaa	gggagtgagg	ggccgctgcc	gccttccccca	tcacggaggg	720
tccagactgt	ccactcgggg	gtggagttag	actgactgca	agccccaccc	tccttggagac	780
tgagactgag	cgtctgcata	cgagagactt	ggttggaaact	ttgttggtcc	ttgtctgcac	840
cctcgacaag	accacactt	gggacttggg	agctggggct	gaagttgtct	tgtacccatg	900
aactcccgat	ttgcgaatta	ataagagaca	atctatgg	ttacttgac	ttgttattcg	960
aaccactgag	agcgagatgg	gaagcataga	tatctatatt	tttatttcta	ctatgagggc	1020
cttgtataaa	atttctaaag	cctcaaaaaaa				1050

yzl2f12.s1 Soares_multiple_sclerosis_2NbHMSP Homo sapiens cDNA clone
IMAGE:282863 3', mRNA sequence.

tggagaagga aggacagttt ttcttcctcc aagagtagcca atttgaccac tcccactaac	60
ctcaactcagc aaacaaaaca ggatgttagac ctggtttgc aaggagttt aatgagttct	120
gtttcctgaa attaacagtg attagttaca ccaagcaaga gaagatataa tgtctcgctt	180
tcacatttgc aaagaatact atggctaacc ctcatccccct actgcgcatg caacacagcg	240
tcggccctcc tgataccctc agctcttacaa aaacgtggcg ttccatacagc ttgctcagct	300
tgtcccagaa ggtccatttg gttcccaaag cacactcaag gttttgtgtt tgcttcatt	360
ttctaagccc ctgaatttgc aagtaaagaa tcactgacta acagaatttt ggacacaatga	420
ctggtttctt tccctcaatg aagatgnca ggtctgggtg tgaggagcac ctggcctcaa	480
ctggctggtc cacgctggcc ttcagcatgg ccaataagct ctttcctggc tcgcnnttga	540
aatgatctg tgctggana cctccctaann ggtgaagg	579

Homo sapiens synaptogyrin 3, mRNA (cDNA clone MGC:20003 IMAGE:4334996), complete cds.

cagcggccctc	gggcggggcc	ggccggacgg	acaggcggac	agaaggcgcc	aggggcgccg	60
gtcccggcccg	ggccggccat	ggagggcgcc	tcctcgccg	cggccgcgc	aggggccgcc	120
ctggaccccg	tgagcttgc	gccccggccc	cagaccctgc	tccgggtcgc	gtctgggtg	180
ttctccatcg	ccgtcttcgg	gccccatcg	aacgagggt	acgtgaacac	cgacagcgcc	240
cccgagctgc	gctgcgtgtt	caacgggaac	gccccggcc	gccgcttcgg	cgtcgcgctg	300
ggcctcgag	ccttcctcgc	ctgcggccccc	ttcctgctgc	tcgatgtgcg	cttcagcaa	360
atcagcagcg	tccgcgaccg	ccggcgccgcg	gtgtgctgg	acctgggtt	ctcaggactc	420
tggtccttc	tgtggttcgt	gggcttctgc	ttcctcacca	atcagtggca	gcccacggcg	480
ccagggccgg	ccacgacgca	ggcgggggac	gccccggcc	ccgcacatcg	cttcagcttc	540
ttctccatcc	tcagctgggt	ggcgctcacc	gtgaaggccc	tgcagcggtt	ccgcctggc	600
accgacatgt	cactttcgc	caccgaacag	ctgagcaccg	gggcgagcca	ggcctacccc	660
ggctatccgg	tgggcagcgg	cgtggagggc	accgagacct	accagagccc	gcccctcacc	720
gagaccctgg	acaccagccc	caaagggtac	caggtcccc	cctactagcg	gctggcaggc	780
acagaccagg	gctccaaggc	cacccacca	acgcaggccc	cagggtctcc	gggacctccc	840
ttgggtcctt	ccagctcagt	ggcgccgaca	gagtaggtgg	ccgccttgcg	ccatccgggg	900
ccaaagagggg	gtggacccgc	gtgtctggc	tgccctgccc	aagttccccc	agtccctcag	960
cacctggccc	caggaatgag	gtcctgagaa	ggggatagca	ctgcccagga	cgtgtgtccc	1020
tagcctggaa	tggactggcc	tggggaaaggc	tttccccct	tggccacac	ctgtcaactc	1080
tgggggttggg	ggtccagctg	ccctctacga	tcagtgca	gggctgcca	ggacaaagcg	1140
ggggcagggg	aaagacacca	ccctcgcccc	aagactgggg	atcctggca	ctgttcccat	1200
cccatgtccc	tgtggtagt	gactgtctcg	tttctgtcat	ggtgtgcgt	ccgtccgga	1260
gccactctcc	actttctctc	acaggctgt	agaacagccc	agccctgtca	gtgtgtgat	1320
catggtccag	tcttcgggtt	tcacctccta	gtactccaca	agctgctcct	ctctctgtgg	1380
ccccggccccc	tgcccagggt	tgggtggtc	tggccaggaa	ggcacaaggt	agctgtggc	1440
caagacacca	gcccgtcct	agcccttcag	taagacctt	ccaggagagg	agaaggatgc	1500
ctgggtgcca	ggcaagacaa	gccccctcagc	aggagagagg	cccagaggt	ccagctggcc	1560
accgtgcccc	acaagatggc	ccctgtgtgg	ttccctttac	cttggcttcc	tggcccagtc	1620
cctgcctctc	cacctgcacc	ctgcttcctg	gcccagtccc	aggttggagt	ccctctgcatt	1680
agctgactac	tcatgcattt	ctcaaagctg	gttttccaca	ttaagtcaac	accaaacgtg	1740
gttgccacat	ttcatcagac	agacacccccc	ctctggagat	gcagttgagt	gacaaccttg	1800
ttacatttta	gccttagacca	attctgtgt	gatatttaag	tgaacatgtt	tacaattttt	1860
gttatatatca	ctctccct	ctcctgaaag	accagagatt	gtgtatccc	agtgtcccat	1920
gttccgactg	cacccctttt	acaataaaga	ctgttaactga	gctgactgt	aaaaaaaaaa	1980
	aaaaaaaaaa	aaaaaaa				1996

Human 14 kd lectin mRNA, complete cds.

cttctgacag	ctggtgcgcc	tgccccggaa	catcctcctg	gactcaatca	tggcttgtgg	60
tctggtcgc	agcaacctga	atctcaaacc	tggagagtgc	tttcgagtgc	gaggcgaggt	120
ggctcctgac	gctaagagct	tctgtctgaa	cctggggaaa	gacagcaaca	acctgtgcct	180
gcacattcaac	cctcgcttca	acgcccacgg	cgacgccaac	accatcggt	gcaacagcaa	240
ggacggcggg	gcctggggga	ccgagcagcg	ggaggctgtc	tttcccttcc	agcctggaag	300
tgttgcagag	gtgtgcata	ctttcgacca	ggccaacctg	accgtcaagc	tgccagatgg	360
atacgaattc	aagttccca	accgcctcaa	cctggaggcc	atcaactaca	tggcagctga	420
cggtgacttc	aagatcaaat	gtgtggcctt	tgactgaaat	cagccagccc	atggccccc	480
ataaaaggcag	ctgcctctgc	tcccctg				507

Homo sapiens monocarboxylate transporter 2 (MCT2) mRNA, complete cds.

cgggcgcccc	ccctgcgccca	gagaccagat	aaagatcaat	cttaagatgt	gatactttcc	60
tgtgaaacct	gaaaacaagggt	gatctgggga	accaaagact	ctgggactct	tggtgccaac	120
agagttactc	tgttacttga	atttccacta	gaggagcaga	aatgccacca	atgccaagtg	180
ccccacacct	gcatccaccc	ccagatggag	gatggggttg	gattgtggtt	ggagcaactt	240
ttatctccat	tggattttcc	tatgcattcc	ccaaagctgt	caccgtattc	ttcaaagaaa	300
ttcagcaaat	attccacact	acctacagt	aaatagcatg	gatttcattcc	attatgctgg	360
ctgttatgt	cgcaggaggt	cctgttaaga	gtgttttgtt	gaataaatac	ggcagccggc	420
cggtgggtat	agcaggaggc	ttattatgt	gtcttggaa	ggtgttggcc	tccttttagta	480
gcagcgtgg	acagctgtac	ctcaactatgg	gattcattac	aggtttaggt	ttagccttca	540
acctgcaacc	cgcctaacc	ataattggca	aatacttcta	taggaagcga	cccatggcaa	600
atggattggc	catggcagga	aatcctgttt	tcttaagttc	atggctcct	ttcaatcagt	660
accttttaa	tactttggc	tggaaaggaa	gcttctgtat	tttggaaagt	ctactttga	720
atgcctgtgt	ggctgggtcc	ctcatgagac	cccttggacc	caatcaaacc	acttctaagt	780
ctaaaaataa	gactgcaaaa	acagaagatg	attcaagccc	aaagaaaatc	aaaacgaaga	840
aatcaacttg	ggaaaaaagt	aataagtatt	tagatttctc	ccttttaag	catagaggat	900
ttctgtatata	tctgtctgg	aatgtcatta	tgttcttagg	ttttttggcc	cccattatat	960
tcccggtcc	atatgtaaa	gaccaaggaa	ttgatgagta	ctcggcagct	tttctgctat	1020
ctgttatggc	tttcgttgc	atgtttgc	ggccttctgt	aggattaatt	gcaaaactcca	1080
aatatattcg	acctcgaatt	cagtacttct	tcagtttgc	aatcatgttc	aatggagtgt	1140
gtcacccctt	gtgcccactg	gcacaggact	acacaaggct	ggtattatat	gctgtatTTT	1200
ttggccttgg	atttgggagt	gttagcagtg	ttcttttgc	aactctcatg	gacctcgtgg	1260
gtgcaccaag	attttccagt	gccgtcgac	ttgtcacaat	tgtggagtgt	ggcccagtgc	1320
ttcttggccc	tcctttgc	gttaaattgg	tggatttaac	tggagaatat	aaatacatgt	1380
acatgtcctg	tgggctatt	gtggtagcag	caagcgtgt	gctgctcatt	ggcaatgcta	1440
tcaactata	attgcttgca	aaggaaaggaa	aggaggaaaa	tgcaaggcag	aagaccagag	1500
aatctgaacc	cttgagcaaa	tctaaacatt	cggaagatgt	taacgtcaaa	gttcaaatg	1560
cacagagtgt	aacctcagaa	agagaaaacta	acattaaca	agaatcacat	ctctgatttc	1620
agtgtttatg	actttatcta	ggagttttgtt	tttcatTTT	ttttttaaa	gtattagaaa	1680
aggttttagc	tgaaatgagg	agtcacaatt	aaggatggag	gtgatattt	cctcaatggc	1740
aattttaaat	tagttttaa	aaacttactt	atttgggtag	ttaaattttg	agattatgca	1800
tagaaagaat	ccatgtata	gtttatttc	catacgtac	tctgggtgt	gtggtaaaaa	1860
tactaattt	aaagtcttcc	agtgacttc	ggtcttggtt	atatgga		1907

H.sapiens mRNA for gonadotropin-releasing hormone receptor, splice variant.

atggcaaaca	gtgcctctcc	tgaacagaat	caaaaatca	gttcagccat	caacaacagc	60
atcccactga	tgcagggcaa	cctccccact	ctgaccttgt	ctggaaagat	ccgagtgacg	120
gttactttct	tccttttct	gctctctgcg	acctttaatg	cttctttctt	gttgaaactt	180
cagaagtgg	cacagaagaa	agagaaagg	aaaaagctct	caagaatgaa	gctgctctta	240
aaacatctga	ccttagccaa	cctgttggag	actctgattt	tcatgccact	ggatggatg	300
tggaacatta	cagtccaatg	gtatgctgga	gagttactct	gcaaagtct	cagttatcta	360
aagctttct	ccatgtatgc	cccagccttc	atgatggtgg	tgatcagcct	ggaccgctcc	420
ctggctatca	cgagggccct	agcttgaaa	agcaacagca	aagtcggaca	gtccatggtt	480
ggcctggcct	ggatcctcag	tagtgtctt	gcaggaccac	agctgcctct	tcatcatccc	540
tctttcatac	atgctgatct	gcaatgaaa	aatcatcttc	accctgacac	gggtccttca	600
tcaggacccc	cacgaactac	aactgaatca	gtccaagaac	aatataccaa	gagcacggct	660
gaagactcta	aaaatgacgg	ttgcatttgc	cacttcattt	actgtctgct	ggactcccta	720
ctatgtccata	ggaatttgg	attggtttga	tcctgaaatg	ttaaacaggt	tgtcagaccc	780
agtaaatcac	ttcttcttcc	tcttgcctt	tttaaaccctt	tgctttgatc	cacttatcta	840
tggatatttt	tctctgtga					859

Homo sapiens midline 1 (MID1) mRNA, complete cds.

ctttttgg	cggggccgca	tgaatccgc	cagccccacc	tgcttgaagg	acctacaggt	
ttgtcttc	cagatcagaa	ctgaggaaca	aaaaccccca	tcctggaaa	aatggggaaag	120
ctgattcgc	cgggttgc	ttgtcttc	ggctccgtc	gggttcgg	tttccgcct	180
gaagactgcg	acgcgggctc	cgatcagct	cgctccctgc	cgatgggtc	atgggattct	240
aaacatgagg	cagatagctg	atcagctcc	ttgggtttt	ctgatgacac	aagagagctt	300
tgcctgaaga	tggaaacact	ggagttagaa	ctgacctgcc	ctatttgtct	ggagctctt	360
gaggaccctc	ttctactgcc	ctgcgcacac	agcctctgc	tcaactgcgc	ccaccgcac	420
ctagatcac	actgtgccac	caacgagtct	gtggagtcca	tcaccgcctt	ccagtgc	480
acctgcggc	atgtcatcac	cctcagccag	cgaggtctag	acgggtcaa	gwgcaacgtc	540
accctacaga	acatcatcga	caggttccag	aaagcatca	tgagcggg	caactctccc	600
agcgagaccc	gtcgggagcg	ggccttgc	gccaacacca	tgacccgc	cgagaagg	660
ctctgc	cagt	tttgtgacca	ggatctgc	caggacgctg	tgaagac	720
gaagtatcct	actgtgacga	gtgcctgaaa	gccactcacc	cgaataagaa	gcccttaca	780
ggccatcg	tc	tgattgagcc	aattccggac	tctcacatcc	ggggctgat	840
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tgtaaactgg	ttggcggca	ccgcgatcat	cagggtgg	ctttgagtga	gogctatgac	960
aaattgaagc	aaaacttaga	gagtaac	accaaccta	ttaagaggaa	cacagaactg	1020
gagaccctt	tggtctaaact	catccaaacc	tgtcaacat	ttgaagtcaa	tgcacatcag	1080
caagaagcca	aattgacaga	ggagtgtgat	cttctcattt	agatoattca	gaaaagacga	1140
cagattattg	gaaccaagat	caaagaaggg	aagggtatga	ggcttcgca	actggctcag	1200
cagattgca	actgcaaaaca	gtgcattgag	cggtcagcat	cactcatctc	ccaagcggaa	1260
cactctcgt	aggagaatga	tcatgcgcgt	ttcctacaga	ctgctaagaa	tatcaccgag	1320
agagtctca	tgcaactgc	atcctccag	gttctaattt	ctgaaatcaa	cctcaatgac	1380
acatttgaca	ccttgc	tttgc	cgagagaaga	aactgtaga	atgtctggat	1440
taccttacag	ctcccaaccc	tcccacaatt	agagaagagc	tctgcacagc	ttcatatgac	1500
accatca	tgcattggac	ctccgat	gagttcag	ttgttgc	cgagctccag	1560
tacaccat	tcaccggaca	agccaa	gttgc	gtat	atgtctgg	1620
atgatagtac	ccaacatcaa	gcagaaccac	tacacgtgc	acgg	gtcgacc	1680
aagtacatct	tcatggtcaa	ggccatcaac	caggcgg	tgaaatgt	gttattgat	1740
aagttgaa	caaacagcc	accattt	ctggatcc	aatctgc	tcgaaaactg	1800
aaggtgtccc	atgataactt	gacagttagaa	cgtgatgat	catcatccaa	gaagagtac	1860
acacctgaac	gttc	ccagg	tatggat	ctggaaatgt	gttattgat	1920
agtggccggc	attattgg	agtgg	agtggaa	catggat	cattgg	1980
gcttacaaat	cagccccgaa	gcatg	attgg	actctgc	ctggcg	2040
tgccgctgca	acaataactg	gg	ttgg	at	ttgc	2100
gccccccacc	tccggcg	ggc	acttgc	ctggactat	ataacgg	2160
tatgatgctt	tgaactccat	ccac	tg	tg	tatgc	2220
tgccccac	tcaccgtgt	gaa	ac	tgacgat	ttactgg	2280
gaccatttgg	actgcacaga	gcag	tg	tgacgt	ccctatcc	2340
ggggaaacagt	aagg	ccact	gg	ggactg	gtgtttct	2400
gtaatgaaat	ctcaccagaa	gtgt	at	aa	tttgc	2460
ttccttc	tttactgtgt	ttgt	tc	ggctc	tttgc	2520
ttgtatttag	aggaaaatct	atagattt	tata	taataattt	tttgc	2580
tttaggaatt	acttgg	gcacat	aggccc	acataat	tttgc	2640
cttcattca	tcacaatctg	tgg	aaaa	aa	tttgc	2700
ttactcatct	tcttacctga	tat	tttgc	tttgc	tttgc	2760
gg	aggatgtgt	tgac	tttgc	tttgc	tttgc	2820
ttaatttgaa	gtgttt	tgt	tttgc	tttgc	tttgc	2880
agcaagacag	agaatgaaa	gagtt	tttgc	tttgc	tttgc	2940
ttaccttc	atagctgt	ggata	tttgc	tttgc	tttgc	3000
attttgc	ctca	gggtt	tttgc	tttgc	tttgc	3060
ttgaaaatag	tcattt	tc	tttgc	tttgc	tttgc	3120
tcagaggtag	gattctgtt	tat	tttgc	tttgc	tttgc	3180
ccttaqacc	tgtqaat	tttgc	tttgc	tttgc	tttgc	3240

atatcaattt tcctttgtc tccggggctg agtaaataaa catgttctgt cacaatagc	3300
agcaccactt tggattgatt ttgctctcca ggacatcagc acatggccct gatcagcact	3360
accacatcca aacataaagtc actgaaaaac acttaatatt tatgagtgg taatgacaag	3420
ggacattgtt taaagtacta tttgcttagat tcatgcctca aaagttatta taaacagacc	3480
tttattaaac acatcttcaa agatgttagaa gtccctctat agtctagttt agtttacaat	3540
agagttgtaa gaccaaaaaaa aaaaaaaaaaaa aaaaa	3575

Homo sapiens IL-1 receptor accessory protein mRNA, complete cds.

tctcaaaggat	tgacacttct	gtgggtgtgt	gtgagtctct	acttttatgg	aatccctgaa	60
agtgtatgcct	cagaacgcgt	cgatgactgg	ggactagaca	ccatgaggca	aatccaagtg	120
tttgaagatg	agccagctcg	catcaagtgc	ccactctttg	aacacttctt	gaaattcaac	180
tacagcacag	cccattcagc	tggccttaact	ctgatctgg	attggactag	gcaggaccgg	240
gacccttggagg	agccaattaa	cttccgcctc	ccccgagaacc	gcatttagtaa	ggagaaaagat	300
gtgctgtgg	tccggcccac	tctcctcaat	gacactggca	actataacctg	catgttaagg	360
aacactacat	attgcagcaa	agttgcattt	cccttggaa	ttgttcaaaa	agacagctgt	420
ttcaattccc	ccatgaaaact	cccagtgcata	aaactgtata	tagaatatgg	cattcagagg	480
atcacttgtc	caaatgtaga	tggatatttt	ccttccagtg	tcaaaccgac	tatcacttgg	540
tatatgggct	gttataaaaat	acagaatttt	aataatgtaa	tacccgaagg	tatgaacttg	600
agtttcctca	ttgccttaat	ttcaaaaaat	ggaaaattaca	catgttgg	tacatatcca	660
aaaaatggac	gtacgttca	tctcaccagg	actctgactg	taaaggtagt	aggctctcca	720
aaaaatgcag	tgc(ccc)ctgt	gatccattca	cctaattgatc	atgtgtct	tgagaaaagaa	780
ccaggagagg	agctactcat	tccctgtacg	gtctatttt	gttttctgtat	ggattctcgc	840
aatgagggtt	ggtggaccat	tgatggaaaa	aaacactgatg	acatcaactat	tgatgtcacc	900
attaacgaaa	gtataagtca	tagtagaaca	gaagatgaaa	caagaactca	gattttgagc	960
atcaagaaaag	ttacctctga	ggatctcaag	cgcagctatg	tctgtcatgc	tagaagtgcc	1020
aaaggcgaag	ttgccaaagc	agccaagggt	aagcagaaaag	tgccagctcc	aagatacaca	1080
gtggaaactgg	cttgggggtt	tggagccaca	gtcctgtctag	tggtgattct	cattgttgg	1140
taccatgttt	actggctaga	gatggctcta	ttttaccggg	ctcattttgg	aacagatgaa	1200
accattttag	atggaaaaga	gtatgatatt	tatgtatcc	atgcaaggaa	tgccggaaagaa	1260
gaagaatttg	tattactgac	cctccgtgg	gttttggaga	atgaatttgg	atacaagctg	1320
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caagccctcc	tggagctcaa	ggctggcccta	gaaaatatgg	cctctcgggg	caacatcaac	1500
gtcatttttag	tacagtacaa	agctgtgaag	gaaacgaaagg	tgaaaagagct	gaagagggct	1560
aagacggtgc	tcacggctat	taaatggaaa	ggggaaaaaaat	ccaagtatcc	acagggcagg	1620
ttctggaaagc	agtcgcagg	ggccatgcca	gtgaagaaaa	gtcccaggcg	gtctagca	1680
gatgagcagg	gcctctcgta	ttcatctttg	aaaaatgtat	gaaaggaata	atgaaaagga	1740

Homo sapiens clone FLB0708 mRNA sequence.

ccaaagggtg	ggaacaatct	aatgtccaa	cagatgaatg	aattttaaa	aagtggata	60
tatacataca	ttgagatatt	attcagcctt	aaaaaagaag	aaaaatcatg	gccgggcgcg	120
gtggctcagc	cctgtatcc	cagcacttg	ggaggccgag	acgagcgaat	cacgaggtca	180
ggagatggag	accatccta	ttaacatgtt	gaaactctgt	ctctactaaa	aatacaaaaa	240
aattagccgg	gtttagtggt	ggcgccctgt	agtcccagct	actcaggagg	ctgaggcagg	300
agaatggcat	gaaccggga	ggcggagctt	gcagtgagcc	gagatcgcgc	cactgcactc	360
cagcctgggc	gacagagcga	gactccgtct	aaaaaaaaaa	aaaaggaaaa	aatcctgcca	420
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